

**Library and Information Services Division
Current References 2008-2
(Revised, May 2015)**

**National Oceanographic Data Center Publications and Products
in the NOAA Central Library Network, 1961-2015
A Bibliography**



Designed by Barbara Ambrose, NCDDC

Prepared by

Anna Fiolek and Chris Belter

**NOAA Central Library
1315 East-West Highway, Silver Spring, MD 20910**

May 2015

U. S. Department of Commerce
National Oceanic and Atmospheric Administration
National Environmental Satellite, Data, and Information Service
National Centers for Environmental Information
NOAA Central and Regional Libraries



Preface to the 2015 revision

As of January 2015, the National Oceanographic Data Center (NODC) merged with the National Climatic Data Center (NCDC), and the National Geophysical Data Center (NGDC) to form the National Centers for Environmental Information (NCEI). The newly formed NCEI organizational chart can be viewed at: http://docs.lib.noaa.gov/noaa_documents/NESDIS/NCEI/NCEI_organization-chart_2015_0129.pdf.

The original *Bibliography* was issued in November 2008 in the *LISD Current Reference Series 2008-2* and then revised in August 2012. This current revision includes all entries from the previous versions and adds publications and peer-reviewed journal articles issued since the last revision in August 2012. This cumulative revision supersedes all previous versions and serves as a comprehensive bibliography for the National Oceanographic Data Center.

Many of the entries in the *Bibliography* include a link to the described resource and thus may also serve as an Internet locator for print and online resources by NODC Staff.

Section III. Internet Resources and Products Developed in NODC has been enlarged and updated with resources and products developed by NODC staff between August 2012 and May 2015.

Section IV. Journal Articles by NODC Staff, 1961-March 2015 has been also enlarged to include additional peer-reviewed publications, journal articles, and conference contributions from the scientists and staff of the National Oceanographic Data Center (NODC) issued in the period August 2012 to March 2015. This section is organized by author/title sequence in accordance with the *APA Citation Style Guide, 6th Ed.*

This *Bibliography* is published online and is available via the NOAA Central Library home page - *Subject Guides and Bibliographies* at:

http://docs.lib.noaa.gov/noaa_documents/NESDIS/NODC/LISD/Central_Library/current_references/current_references_2008_2_update_2015.pdf and also can be searched via the library's online catalog (NOAALINC) at: <http://www.lib.noaa.gov/uhtbin/webcat/>.

The publications listed in this *Bibliography* as print only (without indication of an online access) may be requested through your local library's Interlibrary Loan (ILL) service. For more information, please consult the NOAA Central Library's ILL home page: <http://www.lib.noaa.gov/refservices/ill.html>

This revision of *Bibliography* would not have been possible without the assistance of librarians Angel Vu, Sarah Davis, Caroline Thomas, and UMCP intern Brittany Davis, and without the editorial advice of Dr. Neal Kaske, Director of the NOAA Central and Regional Libraries and Stanley Elswick, Acting Director of LISD.

All entries and URL links included in this document have been accessed and viewed during the month of May 2015. Any comments and suggestions are greatly appreciated.

Anna Fiolek, M.A., M.L.S.
NOAA Central Library
Silver Spring, MD
e-mail: Anna.Fiolek@noaa.gov

May, 2015

Preface to the original document

This *Bibliography* is prepared to serve as a finding aid to the National Oceanographic Data Center (NODC) printed and online publications, excluding journal articles. The *Bibliography* includes citations organized “by title” from NOAALINC, the library’s online catalog, and from the library’s historical collections. The data and listings are comprehensive from the 1960s to the present. It is intended to be updated annually.

The formats represented in this resource include print, CD-ROM/DVD, online full-text documents, and Web resources. This document complements and updates the *Publications by National Oceanographic Data Center personnel, 1960-2001*, compiled by Elaine V. Collins, August 17, 2001 which is available online at:

http://docs.lib.noaa.gov/noaa_documents/NESDIS/NODC/LISD/Central_Library/current_references/current_references_2001-1.pdf

The *Bibliography* is published online under LISD Current Reference Series 2008-2 and is available to the national and international communities via the NOAA Central Library home page and its online catalog - NOAALINC. The *Bibliography* may also serve as an Internet locator for printed and online resources by NODC Staff. Any comments and suggestions are welcomed.

Publications listed in this *Bibliography* may be requested through your local library’s Interlibrary Loan (ILL) service. For more information, please view the NOAA Central Library’s ILL home page:

<http://www.lib.noaa.gov/refservices/ill.html>

This publication is available online for downloading in PDF format at:

http://docs.lib.noaa.gov/noaa_documents/NESDIS/NODC/LISD/Central_Library/current_references/current_references_2008_2.pdf

Anna Fiolek, M.A., M.L.S.
NOAA Central Library
Silver Spring, MD
e-mail: Anna.Fiolek@noaa.gov

November 2008

Contents:

I. NODC – History and Overview.....	5 - 6
II. NODC Publications in the NOAA Central Library Network Catalog (NOAALINC) 1961-2015.....	7 - 57
III. Internet Resources and Products Developed in NODC.....	58 - 80
IV. Journal Articles by NODC Staff, 1960-2015.....	81 - 106
V. Authors Index	107 – 120
VI. Contacts.....	121



NOAA

NATIONAL OCEANOGRAPHIC
DATA CENTER (**NODC**)
UNITED STATES DEPARTMENT OF COMMERCE



I. NODC – History and Overview

On November 1, 1960, the National Oceanographic Data Center (NODC) started operations with 29 people as a Division of the Marine Science Department of the U.S. Navy Hydrographic Office in Suitland, Maryland. On December 23, 1960, the Interagency Charter (Department of the Navy, U.S. Coast and Geodetic Survey, the Bureau of Commercial Fisheries, the U.S. Weather Bureau, the National Science Foundation, and the Atomic Energy Commission) signed the formal document establishing NODC. On January 16, 1961, [NODC was formally dedicated](#) by the Honorable James H. Wakelin, Jr., the Assistant Secretary of the Navy for Research and Development, and the representatives of the supporting agencies [1.] On October 6, 1970, by Executive Order #11564, NODC was transferred to NOAA and became part of the NOAA Environmental Data Service (EDS) which was later renamed the Environmental Data and Information Services (EDIS). This NOAA component was merged in 1982 with the NOAA National Environmental Satellite Service to form the National Environmental Satellite, Data, and Information Service (NESDIS), one of the six major line organizations within NOAA. NODC remains a line item within the NESDIS leadership.

Since 1970, the National Oceanographic Data Center (NODC) has been one of the national environmental data centers operated by the National Oceanic and Atmospheric Administration (NOAA) of the U.S. Department of Commerce. The main NODC facility is located in Silver Spring, Maryland, and is made up of five divisions as indicated in Figure 1. NODC also has field offices co-located with major government or academic oceanographic laboratories in Stennis Space Center, MS; Miami, FL; La Jolla, CA; Seattle, WA; and Honolulu, HI.

Besides NODC, [NOAA](#) operates two other data centers: the [National Climatic Data Center](#) (NCDC) in Asheville, North Carolina, and the [National Geophysical Data Center](#) (NGDC) in Boulder, Colorado.

The [National Oceanographic Data Center](#) is an organization that provides scientific and public stewardship for national and international marine environmental and ecosystem data and information. The National Oceanographic Data Center, the [National Coastal Data Development Center](#) (NCDDC), and the [NOAA Central Library](#) (NCL) with its regional branch assets are integrated to provide access to the world's most comprehensive sources of atmospheric and marine environmental data and information. NODC maintains and updates a national ocean archive with environmental data acquired from domestic and foreign organizations and produces products and research from these data which help monitor global environmental changes. These data include physical, biological, and chemical measurements derived from *in situ* oceanographic observations, satellite remote sensing of the oceans, and ocean model simulations. NODC manages and operates the [World Data Center \(WDC\) for Oceanography](#). Its personnel directly interact with Federal, state, academic, and industrial oceanographic organizations; represent NESDIS on various interagency domestic panels, committees, and councils; and represent the United States in various international organizations such as the International Oceanographic Data Exchange (IODE). The Data Center represents [NESDIS](#) and [NOAA](#) to the general public, government agencies, private institutions, foreign governments, and the private sector on matters involving oceanographic data.

NODC manages the world's largest collection of publicly available oceanographic data. NODC holdings include *in situ* and remotely-sensed physical, chemical, and biological oceanographic data from coastal

and deep ocean areas. These were originally collected for a variety of operational and research missions by: U.S. Federal agencies, including the Department of Defense (primarily the U.S. Navy) and Department of Commerce; State and local government agencies; universities and research institutions; and private industry. NODC data holdings extend back over one hundred years, and the volume is expected to grow exponentially as new ocean observing systems are deployed [2.]

Through NODC archive and access services these ocean data are being used to answer questions about [climate change](#), ocean phenomena, management of [coastal and marine resources](#), [marine transportation](#), [recreation](#), [national security](#), and [natural disasters](#). Another significant user community is academia where these data and information products help teach new generations of students about the oceans. Requests for oceanographic data and information have increased each year since the Center was established in 1961.

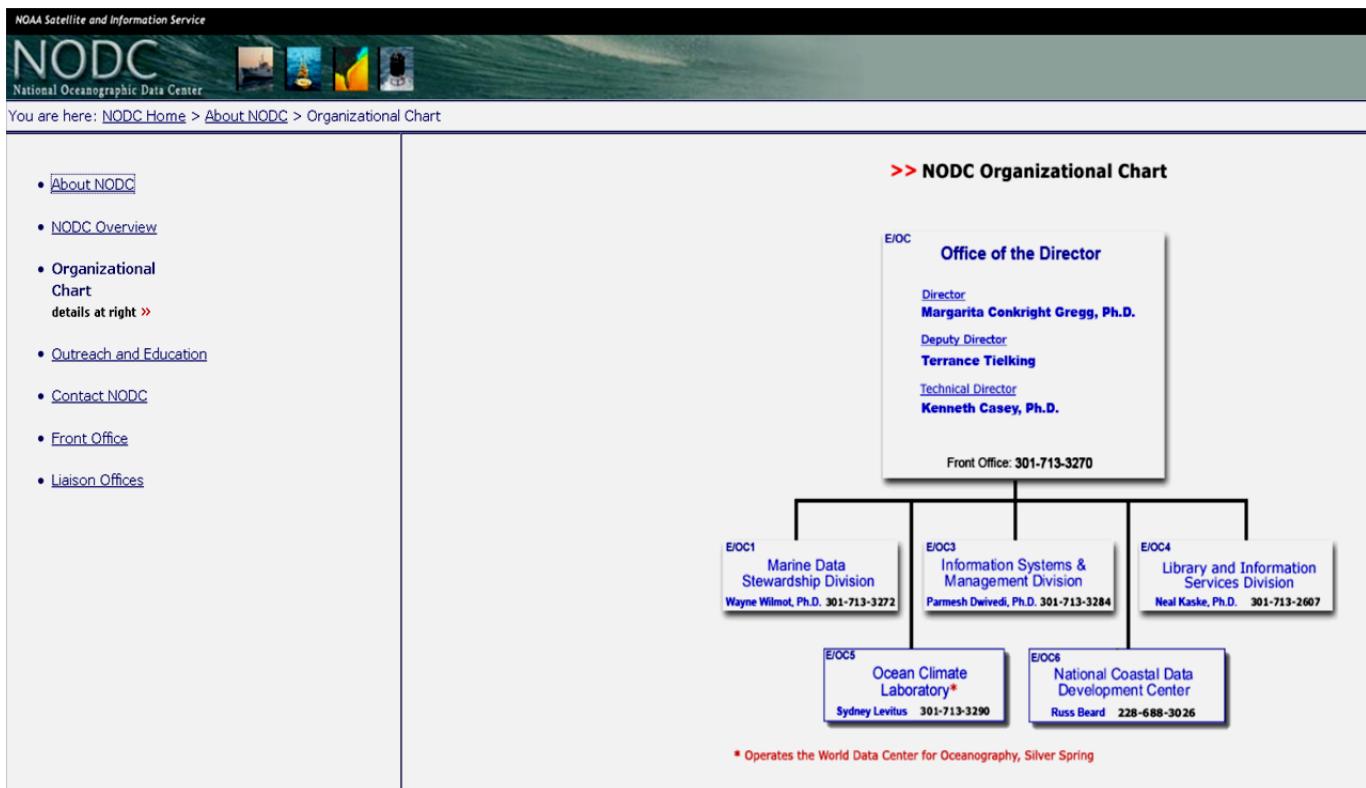


Figure 1. NODC Organizational Chart (<http://www.nodc.noaa.gov/General/NODC-About/orgchart.html>)

As of January 2015, the National Oceanographic Data Center (NODC) merged with the National Climatic Data Center (NCDC), and the National Geophysical Data Center (NGDC) to form the National Centers for Environmental Information (NCEI). The newly formed NCEI organizational chart can be viewed at: http://docs.lib.noaa.gov/noaa_documents/NESDIS/NCEI/NCEI_organization-chart_2015_0129.pdf

[1.] National Oceanographic Data Center: 35 years of oceanographic data management, science, and service. Washington, D.C.,1996?

[2.] National Oceanographic Data Center home page. NODC overview, at: <http://www.nodc.noaa.gov/General/NODC-About/NODC-overview.html>



NOAA

NATIONAL OCEANOGRAPHIC
DATA CENTER (**NODC**)
UNITED STATES DEPARTMENT OF COMMERCE



II. NODC Publications in the NOAA Central Library Network Catalog (NOAALINC) 1961-2015

This section is organized alphabetically by title. All entries listed below have been accessed and viewed during month of May 2015.

Berger, V. J, A.D. Naumov, N. V. Usov, M. A. Zubaha, I. Smolyar, R. Tatusko, S. Levitus. (2003). **36-year time series (1963-1998) of zooplankton, temperature, and salinity in the White Sea.** White Sea Biological Station, Zoological Institute, Russian Academy of Sciences.

NOAA/NESDIS/NODC/Ocean Climate Laboratory. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, [National Oceanographic Data Center, Ocean Climate Laboratory] ; St. Petersburg: Russian Academy of Sciences, Zoological Institute. (*NOAA atlas NESDIS* ; 57); (*International ocean atlas and information series* ; v. 7.)

Online access: http://www.nodc.noaa.gov/OC5/WH_SEA/WWW/HTML/Doc/index.html
G1046.C1 N3 no.57

Acoustic Doppler Current Profilers. (1998).

World Ocean Circulation Experiment, National Oceanic and Atmospheric Administration, JODC. [Southampton, U.K.: WOCE International Project Office, Data Information Unit ; Silver Spring, MD: Available from the U.S. National Oceanographic Data Center.

Online access to Joint Archive for Shipboard ADCP: <http://ilikai.soest.hawaii.edu/sadcp/>
GC228.5 .W45 1998 disc 8

Interagency Ad Hoc Task Force. (1971).

Analysis of environmental conditions within specified geographical regions (U.S. coastal waters): part I, meteorology By the National Data Buoy Center, Interagency Ad Hoc Task Force ; Sidney O. Marcus, Jr., Task Force coordinator, National Oceanic and Atmospheric Administration, National Oceanographic Data Center. [Washington, D.C.]: National Oceanic and Atmospheric Administration, National Oceanographic Data Center.
QC994 .I57 1971

Annotated acronyms and abbreviations of marine science related activities. (1981). [Washington, D.C.]: National Oceanic and Atmospheric Administration, Environmental Data and Information Service, National Oceanographic Data Center.

GC10 .N6 1981

North, Jeannette P. (1981). **Annotated acronyms and abbreviations of marine science related activities.** [Washington, D.C.]: National Oceanic and Atmospheric Administration, Environmental Data and Information Service, National Oceanographic Data Center.
GC9.2.N67 1981

North, Jeannette P. (1969).

Annotated acronyms and abbreviations of marine science related international organizations.

Washington: National Oceanographic Data Center.

GC10 .N6 1969

North, Jeannette P. (1976).

Annotated acronyms and abbreviations of marine science related international organizations.

[Washington, D.C.]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, Environmental Data Service, National Oceanographic Data Center.

GC10 .N6 1976

Annual report of the NODC. (1961-1967). Washington, D.C.: NOAA, National Oceanographic Data Center.

GC37.5 .N38 1960/61-1966/67

Joint Environmental Data Analysis Center. (1987-)

Annual report on tropical Pacific subsurface thermal data management. Washington, DC:

National Oceanographic Data Center (*Key to oceanographic records documentation.*)

Z6004.P6 U52 no.16

GC1 .N38k no.17

Belter, Chris, Craig, Bethany, Fillingham, Joe, Mueller, Meagan, and Phillips, Katrina. (2011)

Anthropogenic radionuclides in the marine environment: a selected bibliography. Silver Spring, MD: National Oceanographic Data Center, NOAA Central Library.

Online access: http://www.lib.noaa.gov/researchtools/subjectguides/marine_radionuclides.html

Online access (PDF): http://www.lib.noaa.gov/researchtools/subjectguides/marine_radionuclides.pdf

Z5862.2.R3 A58 2011 (Online)

Atlas of bathythermograph data; Indian Ocean. (1966). Washington, D.C.: National Oceanographic Data Center. (*NODC general series. Publication ;G-6.*)

525.83084 U58NODC

GC1 .U425 G-6

Matishov, G.G., Berdnikov, S.V., Zhichkin, A.P., Dzhenyuk, S.L., Smolyar, I.V., Kulygin, V.V., Yaitskaya, N.A., Povazhniy, V.V., Sheverdyayev, I.V., Kumpan, S.V., Tret'yakova, I.A., Tsygankova, A.E., D'yakov, N.N., Fomin, V.V., Klochkov, D.N., Shatohin B. M., Plotnikov, V.V., Vakul'skaya, N.M., Luchin, V.A., Kruts, A.A. (2014).

Atlas of Climatic Changes in Nine Large Marine Ecosystems of the Northern Hemisphere (1827-2013). Silver Spring, MD: National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS ; 78); (International ocean atlas and information series ;/volume 14)*

doi:10.7289/V5Q52MK5

Online access: <http://data.nodc.noaa.gov/woa/PUBLICATIONS/AtlasLME-2014.pdf>

da Silva, A.M., C. C. Young-Molling, and S. Levitus. (1994).

Atlas of surface marine data 1994. Vol. 1, Algorithms and Procedures. Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS ; 6*)

G1046.C1 N33 v.1

da Silva, A.M., C. C. Young-Molling, and S. Levitus. (1994).

Atlas of surface marine data 1994. Vol. 2, Anomalies of Directly Observed Quantities.

Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 7)
G1046.C1 N33 v.2

da Silva, A.M., C. C. Young-Molling, and S. Levitus. (1994).

Atlas of surface marine data 1994. Vol. 3, Anomalies of Fluxes of Heat and Momentum.

Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 8)
G1046.C1 N33 v.3

da Silva, A. M., C. C. Young-Molling, and S. Levitus. (1994).

Atlas of surface marine data 1994. Vol. 4, Anomalies of Fresh Water Fluxes. Washington, D.C.:

U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 9)
G1046.C1 N33 v.4

da Silva, A. M., C. C. Young-Molling, and S. Levitus. (1994).

Atlas of surface marine data 1994. Vol. 5, Miscellaneous Derived Quantities. Washington, D.C.:

U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 10)
G1046.C1 N33 v.5

Young -Molling, C. C., A. M. da Silva, and S. Levitus. (1997).

Atlas of surface marine data 1994. Vol. 6, Heat Flux Sensitivity to Sea Surface Temperature.

Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory, 1997. (*NOAA atlas NESDIS* ; 12)
G1046.C1 N33 v.6

Young-Molling, C. C., A. M. da Silva, and S. Levitus. (1997).

Atlas of surface marine data 1994. Suppl. A, Anomalies of Directly Observed Quantities and

Surface Marine Fluxes for 1990-1993. Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 13)
G1046.C1 N33 Suppl. A

da Silva, A.M., C. C. Young-Molling, and S. Levitus. (1997).

Atlas of surface marine data 1994. Suppl. B, Procedures for 1/2 x 1/2 data set. Washington, D.C.:

U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 17)
G1046.C1 N33 Suppl. B

Atlas of surface marine data 1994. CD-ROM. (1995). Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory, [1995-]. (*CD-ROM NODC* ; 56-58.)

G1046.C1 N34 1995 CD-ROM

Atlas of temperature-salinity frequency distributions, North Atlantic Ocean. (2002). Prepared by P.P. Shirshov Institute of Oceanology, Russian Academy of Sciences, Russia [and] Ocean Climate Laboratory, National Oceanographic Data Center. [Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration]. International ocean atlas and information series ; v. 4. (*CD-ROM NODC* ; 159-160) ; (*NOAA atlas NESDIS* ; 55.)

GC491 .A85 2002 disc 1

GC491 .A85 2002 disc 2

GC491 .A85 2002 Guide

Conkright, M. E., S. Levitus, T. P. Boyer, D. M. Bartolacci, and M. E. Luther. (1994).

Atlas of the Northern Indian Ocean. St. Petersburg, FL: University of South Florida, Dept. of Marine Science.

Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/nindoc94atl.pdf>

G2851.C7A85 1994

Bibliography on marine biology. (1972). Franklin Institute (Philadelphia, Pa.). Research Laboratories. Rockville, MD: [National Oceanographic Data Center]. (*Cooperative investigation of the Caribbean and adjacent regions, CICAR* ; v. 2)

Z6044.C35 C65 v.2

QC994.2 .A45 1972

Bibliography on marine geology and geophysics. (1972). Franklin Institute (Philadelphia, Pa.).

Research Laboratories. Rockville, MD: [National Oceanographic Data Center].

(*Cooperative investigation of the Caribbean and adjacent regions, CICAR* ; v. 3)

Z6044.C35 C65 v.2,3

Collins, Elaine V. (1990).

Bibliography on marine optics. [Washington, D.C.: National Oceanographic Data Center]

Z6004.P6 C6 1990

Bibliography on meteorology, climatology, and physical/chemical oceanography. (1970). American Meteorological Society. Washington, D.C.: National Oceanographic Data Center].

(*Cooperative investigation of the Caribbean and adjacent regions, CICAR* ; v. 1.)

016.5258 C77 v.1

016.5258 C77 v.2

QC 994.2.A45 1970 v.1

QC994 .A36 Index

Keehn, Pauline A. (1967).

Bibliography on oceanography of the tropical Atlantic. Washington, D.C.: National Oceanographic Data Center. (*Special bibliographies on oceanography. Contribution* ; no.5.) ; (*Meteorological and geoastrophysical abstracts.*)

Z6004.P6 K43 1967

Bibliography on subsurface ocean currents. (1974). Prepared by the Oceanic Library and Information Center under contract to the United States National Oceanographic Data Center. [La Jolla, Calif.: National Oceanographic Data Center, 1974.]
Z6004.P6 B52 1974

Roessler, M. A. (Martin A.) (2002).

Biodiversity study of southern Biscayne Bay and Card Sound, 1968-1973. M.A. Roessler, A.Y. Cantillo and J. García-Gómez. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration ; Miami, Fla.: University of Miami Rosenstiel School of Marine and Atmospheric Science. (*NOAA technical memorandum NOS NCCOS CCMA* ; 151)

Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division) ; 2002-1 ; RSMAS technical report ; TR 2002-01.

GC57 .N63 no.151

Matishov, G. G., P. Makarevich, S. Timofeev, L. Kuznetsov, N. Druzhkov, V. Larionov, V. Golubev, A. Zuev, N. Adrov, V. Denisov, G. Iliyn, A. Kuznetsov, S. Denisenko, V. Savinov, A. Shavikyn, I. Smolyar, S. Levitus, T. O'Brien, and O. Baranova. (2000).

Biological atlas of the Arctic seas 2000: plankton of the Barents and Kara seas. Russian Academy of Sciences, Murmansk Marine Biological Institute ; U.S. Dept. of Commerce, NOAA, National Oceanographic Data Center, Ocean Climate Laboratory ; G. Matishov ... [et al.] ; I. Smolyar ... [et al.]. Silver Spring, MD: The Laboratory. Print and CD-ROM formats.

Abstract: Presented are physical and biological data for the region extending from the Barents Sea to the Kara Sea during 158 scientific cruises for the period 1913-1999. Maps with the temporal distribution of physical and biological characteristics of the Barents and Kara Seas are presented. Changes in the plankton community structure between the 1930's, 1950's, and 1990's are discussed. Multiple tables of Arctic Seas phytoplankton and zooplankton species are presented, containing ecological and geographic characteristics for each species, and images of live cells for the dominant phytoplankton species. (*International ocean atlas series* ; v. 2)

Online access: <http://www.nodc.noaa.gov/OC5/BARPLANK/start.html>

GC452 .C53 2000 (CD-ROM)

G3051.D1 B56 2000

Matishov, G. G., P. Makarevich, S. Timofeev, L. Kuznetsov, N. Druzhkov, V. Larionov, V. Golubev, A. Zuev, N. Adrov, V. Denisov, G. Iliyn, A. Kuznetsov, L. Kuznetsov, S. Denisenko, V. Savinov, A. Shavikyn. (2000).

Biologicheski*i atlas more*i arktiki 2000: plankton Baren*t*seva i Karskogo more*i = Biological atlas of the Arctic seas 2000: plankton of the Barents and Kara seas. Russian Academy of Sciences, Kola Scientific Center, Murmansk Marine Biological Institute. Silver Spring, MD: NOAA, National Satellite, Data, and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory ; Murmansk: Rossi*iskai*i*a Akademi*i*a Nauk, Kol*ski*i Nauchny*i T*s*entr, Murmansk*i morko*i biologicheski*i institut. (*International ocean atlas series* ; v. 2) ; (*NOAA atlas NESDIS* ; 39)

Online access: <http://www.nodc.noaa.gov/OC5/BARPLANK/start.html>

GC452 .C53 2000

G1046.C1 N3 no.39

Breakers and surf conditions at Canton, Baker and Howland Islands. (1963).

[Washington, D.C.]: National Oceanographic Data Center.

QC993.P20 B7 1963 archive

Brief bibliography. Drought. (1989).

Library and Information Services Division. Rockville, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental, Satellite, Data and Information Service, National Oceanographic Data Center. (*Brief bibliography (United States. National Environmental, Satellite, Data and Information Service)* ; 89-4)

QC929.D8 A1 1989

Brief bibliography. Floods. (1990).

National Environmental Satellite, Data, and Information Service, Library and Information Services. Rockville, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Oceanographic Data Center. (*Brief bibliography (United States. National Environmental, Satellite, Data and Information Service)* ; 90-4.)

GB1399 .A1 1990

Brief bibliography. Meteorological journals (1989).

Library and Information Services Division. Rockville, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental, Satellite, Data and Information Service, National Oceanographic Data Center.

(*Brief bibliography (United States. National Environmental, Satellite, Data and Information Service)* ; 89-8)

QC851 A1 1989

Brief bibliography. (1989).

Library and Information Services Division. Rockville, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental, Satellite, Data and Information Service, National Oceanographic Data Center.

Z6682 .B5 no.89-1(Tornadoes)

Levitus, S., S. Sato, C. Maillard, N. Mikhailov, P. Caldwell, and H. Dooley. (1998).

Building ocean profile-plankton databases for climate and ecosystem research. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA technical report NESDIS* ; 117.)

Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/techr117.pdf>

California Coastal Kelp Resource Project, 1999-2000: digital collection of aerial photographs. (2005).

Prepared by NOAA/NOS, Monterey Bay National Marine Sanctuary (MBNMS) and NOAA/NESDIS, National Oceanographic Data Center. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center.

Online access: <http://data.nodc.noaa.gov/acquisition/0002429> (NODC Accession: 0002429)

QH541.5.K4 C3 2005 (Online)

World Data Center for Oceanography. (2003).

Catalog of data and report of data exchange 2000-2001, change notice nos. 66, 67, 68, and 69 (1 January 2000 – 31 December 2001). Silver Spring, MD: World Data Center for Oceanography.

Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/rep00-01.pdf>

Catalog of OCSEAP data (Alaska Outer Continental Shelf Environmental Assessment Program). Part 4, Selected examples of graphic products and data summaries developed from OCSEAP data files. (1980).

Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, Environmental Data and Information Service, National Oceanographic Data Center.

GC1552.E85 N6 pt.4

Grimes, Doria and Diana L Abney. (2002).

Charles Fitzhugh Talman: a bibliography. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, NOAA Central Library. (*Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division)* ; 2002-4.) Z6682 .C9 no.2002-4

Charles M. Breder, Jr.: Atlantis Expedition, 1934. (2004).

A.Y. Cantillo ... [et al.], editors ; introduction by Kenneth M. Leber. Silver Spring, MD: [U.S. Dept. of Commerce], National Oceanic and Atmospheric Administration, National Ocean Service, National Centers for Coastal Ocean Science ; Sarasota, Fla.: Mote Marine Laboratory ; Woods Hole, Mass.: Woods Hole Oceanographic Institution. (NOAA technical memorandum NOS NCCOS CCMA ; 169) ; (*Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division)* ; 2004-04.) ; (*Mote Marine Laboratory technical report* ; no. 949.)

Online access: http://www.aoml.noaa.gov/general/lib/CEDAR_files/cedar132.pdf

GC57 .N63 no.169

Charles M. Breder, Jr.: Bahamas and Florida. (2003).

A.Y. Cantillo ... [et al.], editors.

Silver Spring, MD: NOAA/NOS/NCCOS ; Sarasota, Fla.: Mote Marine Laboratory. (NOAA technical memorandum NOS NCCOS CCMA ; 162) ; (*Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division)* ; 2003-1.) ; (*Mote Marine Laboratory technical report* ; no. 884.)

Online access: http://www.aoml.noaa.gov/general/lib/CEDAR_files/cedar114.pdf

GC57 .N63 no.162

Charles M. Breder, Jr.: Dry Tortugas, 1929. (2001).

A.Y. Cantillo, E. Collins and E. Clark (editors).

Silver Spring, MD: NOAA/NOS/NCCOS ; Sarasota, Fla.: Mote Marine Laboratory. (NOAA technical memorandum NOS NCCOS CCMA ; 150) ; Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division) ; 2002-2 ; Mote Marine Laboratory technical report ; no. 802.

Online access: http://www.aoml.noaa.gov/general/lib/CEDAR_files/cedar65.pdf

GC57 .N63 no.150

Charles M. Breder, Jr.: hypothetical considerations, 1931 – 1937. (2002).

A. Y. Cantillo, E. Collins, S. Stover, editors. Silver Spring, MD: National Oceanic and Atmospheric Administration ; Sarasota, Fla.: Mote Marine Laboratory. (NOAA Technical Memorandum NOS NCCOS CCMA ; 159) ; (*Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division)* ; 2002-7.) ; (*Mote Marine Laboratory technical report* ; no. 860.)

Online access: http://www.aoml.noaa.gov/general/lib/CEDAR_files/cedar91.pdf
GC57 .N63 no.159 (Online)

Charles M. Breder, Jr.: Key West, 1928. (2004).

A.Y. Cantillo ... [et al.], editors ; introduction by C.A. Luer. Silver Spring, MD: [U.S. Dept. of Commerce], National Oceanic and Atmospheric Administration, National Ocean Service, National Centers for Coastal Ocean Science ; Sarasota, Fla.: Mote Marine Laboratory, 2004. (NOAA technical memorandum NOS NCCOS CCMA ; 168) ; (*Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division)* ; 2004-3.) ; (*Mote Marine Laboratory technical report* ; no. 950.)

Online access: http://www.aoml.noaa.gov/general/lib/CEDAR_files/cedar130.pdf (introduction)

Online access: http://www.aoml.noaa.gov/general/lib/CEDAR_files/cedar131.pdf (diary)

GC57 .N63 no.168

Charles M. Breder, Jr.: Palmetto Key, 1942. (2002).

A.Y. Cantillo, E. Collins and E.D. Estevez (editors) Silver Spring, MD: U.S. dept. of Commerce, National Oceanic and Atmospheric Administration, National Ocean Service, National Centers for Coastal Ocean Science ; Sarasota, Fla.: Mote Marine Laboratory. (NOAA technical memorandum NOS NCCOS CCMA ; 155) ; (*Mote Marine Laboratory technical report* ; no. 832.) ; (*Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division)* ; 2002-2.)

Online access: http://www.aoml.noaa.gov/general/lib/CEDAR_files/cedar88.pdf (introduction)

Online access: http://www.aoml.noaa.gov/general/lib/CEDAR_files/cedar89.pdf (diary)

GC57 .N63 no.155

Belter, Chris. (2012).

Climate Engineering Publications Available in Web of Science (1988-2011). Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, NOAA Central Library. (*Current references (National Oceanographic Data Center (U.S.). Information Services Division)* ; 2012-03)

Matishov, G., D., Zuyev, A., Golubev, V., Adrov, N., Timofeev, S., Karamusko, O., Pavlova, L., Fadyakin, O, Buzan, A., Braunstein, A, Moiseev, D., Smolyar, I., Locarnini, R., Tatusko, R., Boyer, T., Levitus, S. (2004).

Climatic atlas of the Arctic Seas 2004, see: **Klimaticheskiĭ atlas morei Arktiki 2004. Chast' I, Baza annykh Baren' seva, Karskogo, Laptevykh i Belogo morei: okeanografi i a i morska i a biologiya.** Silver Spring, MD ; U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, World Data Center for Oceanography. (International ocean atlas series ; v. 9) ; (*NOAA atlas NESDIS* ; 58)

Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/english58.pdf> (English)

Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/russian58.pdf> (Russian)
G1046.C1 N3 no.58

Matishov, G. Zyev, A., Golubev, V., Adrov, N., Slobodin, V., Levitus, S., Smolyar, I. (1999).

Climatic atlas of the Barents Sea, 1998: temperature, salinity, oxygen. CD-ROM. Murmansk Marine Meteorological Institute (Russia), Ocean Climate Laboratory, National Oceanographic Data Center (USA) Washington, D.C.: U.S. Dept. of Commerce, National Oceanographic Data Center , Ocean Climate Laboratory. (*International ocean atlas series* ; v. 1) ; (*NOAA atlas NESDIS* ; 26)

Online access: <http://www.nodc.noaa.gov/OC5/barsea/barindex1.html>

Online access: <http://www.nodc.noaa.gov/OC5/barsea/bardoc.html> (Documentation)

GC452 .C5 1998

Luchin, V., Kruts, A., Sokolov, O., Rostov, V., Perunova, T., Zolotukhin, E., Pischalnik, V., Romeiko, L., Hramushin, V., Shustin, V., Udens, Y., Baranova, O., Smolyar, I., Yarosh, I. (2010)

Climatic Atlas of the North Pacific Seas 2009: Bering Sea, Sea of Okhotsk, and Sea of Japan. V. Akulichev, Yu. Volkov, V. Sapozhnikov, S. Levitus, Eds., Washington, D.C.: G.P.O. (*International Ocean Atlas and Information Series* ; v. 12); (*NOAA Atlas NESDIS* ; 67)

Online access: <http://www.nodc.noaa.gov/OC5/PACIFIC2009/index.html>

Matishov, G., Matishov, D., Gargopa, Yu., Dashkevich, L., Berdnikov, S., Baranova, O., Smolyar, I. (2006).

Climatic atlas of the Sea of Azov. Editors, G. Matishov, S. Levitus ; Russia Academy of Science, Kola Scientific Center. Silver Spring, MD ; U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory.

Online access: <http://www.nodc.noaa.gov/OC5/AZOV2006/DOC/english.pdf> (English)

Online access: <http://www.nodc.noaa.gov/OC5/AZOV2006/DOC/russian.pdf> (Russian)

G1046.C1 N3 no.59

Matishov, G., Matishov, D., Gargopa, Yu., Dashkevich, L., Berdnikov, S., Kulyagin, V., Arkhipova, O., Chikin, A., Shabas, I., Baranova, O., Smolyar, I. (2008).

Climatic atlas of the Sea of Azov 2008. Editors, G. Matishov, S. Levitus. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. Washington, D.C.: G.P.O.

Online access: http://www.nodc.noaa.gov/OC5/AZOV2008/HTML/main_menu.html

G1046.C1 N3 no.65 (Online)

Levitus, S., & Antonov, J. (1997).

Climatological and interannual variability of temperature, heat storage, and rate of heat storage in the upper ocean. Silver Spring, MD ; U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ;16)

G1046.C1 N3 no.16

Korablev, A., Smirnov, A. & Baranova, O. K. (2014).

Climatological Atlas of the Nordic Seas and Northern North Atlantic. D. Seidov & A. R. Parsons (Eds.). (*NOAA Atlas NESDIS* ; 77). Dataset doi: 10.7289/V54B2Z78

Online Access (High Resolution):

http://docs.lib.noaa.gov/noaa_documents/NESDIS/NODC/NOAA_Atlas_NESDIS/NOAA_Atlas_NESDIS_77HR.pdf

Online Access (Low Resolution):

http://docs.lib.noaa.gov/noaa_documents/NESDIS/NODC/NOAA_Atlas_NESDIS/NOAA_Atlas_NESDIS_77LR.pdf

G1046.C1 N3 no. 77

Levitus, S. (1982).

Climatological atlas of the world ocean. Rockville, MD: U.S. Oceanographic Data Center.
(*NOAA professional paper* ; 13)

Online access: http://docs.lib.noaa.gov/noaa_documents/NESDIS/NODC/NOAA_professional-paper_13.pdf

Online access: ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/levitus_atlas_1982.pdf
QC801 .U545 no.13

Theberge, Albert E., Jr. (1996).

The Coast and Geodetic Survey annual reports 1844-1910: bibliography of appendices. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, NOAA Central Library.

Online access: <http://www.lib.noaa.gov/researchtools/subjectguides/cgsreports.html>
QB287 .T53 1996 (Online)

Coastal Change Analysis Project. Chesapeake Bay region (1984-1989). (1994).

National Marine Fisheries Service, National Oceanographic Data Center, National Geophysical Data Center. [Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, Coastal Ocean Program]

QH541.5.C65 C63 1994

QH541.5.C65 C63 1994 manual

Coastal oceans. (1990).

[Rockville, Md.]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental, Satellite, Data, and Information Service, National Oceanographic Data Center. (*Current references (United States. National Oceanic and Atmospheric Administration. Library and Information Services Division)* ; 89-2.)

Z6682 .C9 no.89-2

McVey, E. (2003)

Coastal zone management and aquaculture: bibliography of selected published resources on coastal zone management. [Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, NESDIS, NODC, NOAA Central Library, Aquaculture Information Center.

Online access: <http://www.lib.noaa.gov/docaqua/czm.html>

Z6004.C6 B5 (Online)

A compendium of papers presented at the 81st annual American Meteorological Society Meeting, Albuquerque, New Mexico, 14-19 January, 2001. (2001).

National Coastal Data Development Center. [Stennis Space Center, Miss.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental, Satellite, Data, and Information Service, National Oceanographic Data Center, National Coastal Data Development Center]

Online access: <ftp://ftp.ncdc.noaa.gov/pub/data/papers/2001sl11.3dataneedsfree.pdf>

QH541.5.C65 C674 2001

Cheney, Robert E. (1991).

The complete Geosat altimeter GDR handbook. Rockville, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Ocean Service, Coast and Geodetic Survey.

Washington, D.C.: Available from National Oceanographic Data Center, User Services Branch. (*NOAA manual NOS NGS* ; 7)
QB301 .U56 no.7

Firestone, Mary A. (1976).

Computer programs in marine science. Washington: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, Environmental Data Service, National Oceanographic Data Center: for sale by the Supt. of Docs., U.S. Govt. Print. Off.
Z6004.P6 U52 no.5

Dinger, C. (1970).

Computer programs in oceanography. [Washington, D.C.]: National Oceanographic Data Center.
GC32 .D55 1970

Cooperative investigation of the Caribbean and adjacent regions, CICAR. (1970-1972).

U.S. Department of Commerce, National Oceanic and Atmospheric Administration, Environmental Data Service.

Rockville, MD: U.S. National Oceanographic Data Center. (*NODC general series* ; G-17)

Z6044.C35 C65 v.1

Z6044.C35 C65 v.1 index

Z6044.C35 C65 v.2

Z6044.C35 C65 v.3

Coral reef management: brief bibliography. (1990).

National Environmental Satellite, Data and Information Service, Library and Information Services.

Rockville, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Oceanographic Data Center.

QH541.5.C7 C66 1990

QH541.5.C7 C67

Current references (Series). (1989-)

Library and Information Services Division. [Rockville, Md.]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental, Satellite, Data, and Information Service, National Oceanographic Data Center.

Z6682 .C9

Data catalog for the Marine Ecosystems Analysis Puget Sound Project: distribution and summarization of digital data. (1980).

Washington, D.C.: Environmental Data and Information Service, National Oceanographic Data Center.

QH541.5.S3 D3

SH11.A3556

Collins, E., G. Heimerdinger. (1986).

Data characterizations for Western Long Island Sound. Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service. (*NODC informal report* ; no. 2.)

GC58 .N63 no. 2

Data Information Unit and bathymetry data. (1998).

World Ocean Circulation Experiment, NSF, University of Delaware, Graduate College of Marine Studies. [Southampton, U.K.: WOCE International Project Office, Data Information Unit ; Silver Spring, MD: Available from the U.S. National Oceanographic Data Center]
Online access: <http://data.nodc.noaa.gov/accession/9800097> (NODC Accession: 9800097)
GC228.5 .W45 1998 disc 1

Data management for global change. (1990).

[Rockville, Md.]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Oceanographic Data Center. (Current references (United States. National Oceanic and Atmospheric Administration. Library and Information Services Division) ; 90-2.)
Z6682 .C9 no.90-2

Bargeski, Albert M., & Roberts, Daniel, III. (1964).

Data report. Equalant I. Coordinated by the Intergovernmental Oceanographic Commission. Washington, D.C.: Printed by U.S. Dept. of Commerce, Coast and Geodetic Survey. (*NODC general series. Publication* ; G-3.)
Online access (data sets): <http://data.nodc.noaa.gov/accession/6300000,7601118,7601335,7601342> (NODC Accession: 6300000,7601118,7601335,7601342)
GC1 .U425 no.G-3 v.1
GC1 .U425 no.G-3 v.2
GC1 .U425 G-7

Bargeski, Albert M., & Frank, John R. (1964).

Data report. Equalant II. Coordinated by the Intergovernmental Oceanographic Commission. Washington, D.C.: Printed by U.S. Dept. of Commerce, Coast and Geodetic Survey. (*NODC general series. Publication* ; G-5.)
Online access (data sets): <http://data.nodc.noaa.gov/accession/6300000,7601119,7601343> (NODC Accession: 6300000,7601119,7601343)
GC1 .U425 no.G-5

Bargeski, Albert M., & Frank, John R. (1965).

Data report. Equalant III. Coordinated by the Intergovernmental Oceanographic Commission. Washington, D.C.: Printed by U.S. Dept. of Commerce, Coast and Geodetic Survey. (*NODC general series. Publication* ; G-7.)
Online access (data sets): <http://data.nodc.noaa.gov/accession/6400000,7601343> (NODC Accession: 6400000,7601343)
GC1 .U425 no.G-7

Dedication of the National Oceanographic Data Center, Monday, January 1961: program. (1961). [Washington, D. C.: U.S. Navy Hydrographic Office]

Online access:
http://docs.lib.noaa.gov/noaa_documents/NESDIS/NODC/DedicationNationalOceanographicDataCenter_1961.pdf

Belter, Chris. (2011).

Deepwater Horizon: a preliminary bibliography of published research and expert commentary. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Oceanographic Data Center, NOAA Central Library.
Online access: <http://www.lib.noaa.gov/researchtools/subjectguides/dwh.html>

Earth System monitor: a guide to NOAA's data and information services. (1990-). Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center.
Online access: <http://www.nodc.noaa.gov/General/NODCPubs/ESM/esm.html>
QC806 .E15 (Journals)

Pikula, Linda, & Elswick, Stanley. (1992).

Ecosystems of the Florida Keys: a bibliography. [Rockville, Md.]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center. (*Current references (United States. National Environmental, Satellite, Data, and Information Service)* ; 92-1.)
Z6682 .C9 no.92-1

Voss, Gilbert L. (2002).

An environmental assessment of the John Pennekamp Coral Reef State Park and the Key Largo Coral Reef Marine Sanctuary: unpublished 1983 report. Silver Spring, MD: United States National Oceanic and Atmospheric Administration, National Ocean Service ; Miami, Fla.: University of Miami Rosenstiel School of Marine and Atmospheric Science. (*NOAA technical memorandum NOS NCCOS CCMA* ; 161) ; *Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division)* ; 2002-6 ; *RSMAS technical report* ; TR 2002-03.
Online access: http://www.aoml.noaa.gov/general/lib/CEDAR_files/cedar107.pdf (main document)
Online access: http://www.aoml.noaa.gov/general/lib/CEDAR_files/cedar108.pdf (appendices A-C)
Online access: http://www.aoml.noaa.gov/general/lib/CEDAR_files/cedar109.pdf (appendix C)
Online access: http://www.aoml.noaa.gov/general/lib/CEDAR_files/cedar110.pdf (appendix E)
Online access: http://www.aoml.noaa.gov/general/lib/CEDAR_files/cedar111.pdf (appendix F)
GC57 .N6 no.161

United States. National Oceanic and Atmospheric Administration. Interagency Ad Hoc Task Force. (1973).

Environmental conditions within specified geographical regions, offshore East and West Coasts of the United States and in the Gulf of Mexico: final report: prepared for the National Data Buoy Center, National Ocean Survey, National Oceanic and Atmospheric Administration. Sidney O. Marcus, Jr., coordinator/project officer. [Washington]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, Environmental Data Service.
QC994 .I57 1973

Environmental data base directory for New York Bight area. (1973).

Compiled by National Oceanographic Data Center, Environmental Data Service. Rockville, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, Office of Coastal Environment.

GC 58 .E5 1973

An environmental guide to ocean thermal energy conversion (OTEC) operations in the Gulf of Mexico. (1983).

National Oceanographic Data Center, Information Services Division. Washington, D.C.: National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service. (*NOAA technical report NESDIS* ; 2.) ; (*NOAA technical report NESDIS.NODC* ;1.)
QC879.5 .U47 no.2

Environmental impact of oil spills in polar waters. (1989).

[Washington, D.C.]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental, Satellite, Data, and Information Service, National Oceanographic Data Center. (Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division) ; 89-1.)

Z6972 .E9

Z6682 .C9 no.89-1

NODC/ERL Workshop on Ocean Data Files (1988: National Oceanographic Data Center). (1988).

Final report of the NODC/ERL Workshop on Ocean Data Files, 13-14 June 1988, National Oceanographic Data Center, Washington, D.C. Sponsored by National Oceanographic Data Center and Environmental Research Laboratory. [Washington, D.C.]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service.

GC10.4.E4 N6 1988

Global climate change. (1990).

[Rockville, Md.]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental, Satellite, Data, and Information Service, National Oceanographic Data Center. (*Current references (United States. National Oceanic and Atmospheric Administration. Library and Information Services Division)* ;90-1.)

Z6682 .C9 90-1

Z6682 .C9 no.90-1

Intergovernmental Oceanographic Commission. (1980).

Global ocean data inventory. Prepared for IOC by Responsible National Oceanographic Data Center for the FGGE Operational Year. Washington, D.C.: RNODE-FOY, National Oceanic and Atmospheric Administration, Environmental Data and Information Service.

GC57 .G56 1980

Global ocean data inventory: FGGE Operational Year, September 1978-March 1980. (1981).

National Oceanographic Data Center for the FGGE operational year, EDIS for Intergovernmental Oceanographic Commission. Washington, D.C.: The Service.

Microfiche collection GFDL Library

Global ocean temperature and salinity profiles. (1991).

Washington, D.C.: National Oceanographic Data Center. (CD-ROM NODC ; 02-03) ; *Informal report (National Oceanographic Data Center (U.S.))* ; no. 12.

GC166 .G56 1991 doc.

GC166 .G56 1991 v.1-2

CICAR Regional Data Center. (1977).

Guide to CICAR data. Washington, D.C.: National Oceanic and Atmospheric Administration, Environmental Data Service, National Oceanographic Data Center.

GC531 .C62

GC531 .C52 1977

Cumberpatch, Mary Lou. (2006).

Gulf Coast hurricanes: selected resources in the NOAA Libraries and Information Network.

Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, NOAA Central Library.

Online access:

http://www.lib.noaa.gov/researchtools/subjectguides/Gulf_Coast_Hurricanes_Bibliography_rev.pdf

QC945 .C86 2006 (Online)

A guide to marine pollution related data: collected by federally sponsored projects identified in the FY 1978-1983 National Marine Pollution Program catalogs. (1988).

Ocean Pollution Data and Information Network, Central Coordination and Referral Office.

[Washington, D.C.]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center. GC1085 .G8 1988

A guide to marine pollution related data: collected by federally sponsored projects identified in the FY 1984-1987 National Marine Pollution Program catalogs. (1991).

Ocean Pollution Data and Information Network, Central Coordination and Referral Service.

Washington, D.C. (1825 Connecticut Ave., NW, Rm. 415, Washington, 20235): U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center.

GC1085 .G85 1991

Gulf of Farallones National Marine Sanctuary, Beach Watch Program: digital data slide collection. (2006).

NOAA/Gulf of the Farallones National Marine Sanctuary, Beach Watch Program, and NOAA/NESDIS, National Oceanographic Data Center. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center.

Online access: <http://data.nodc.noaa.gov/acquisition/2428> (NODC Accession: 0002428)

United States. Ocean Assessments Division. Strategic Assessment Branch. (1985).

Gulf of Mexico coastal and ocean zones strategic assessment data atlas. Strategic Assessment Branch, Ocean Assessments Division, Office of Oceanography and Marine Assessment, National Ocean Service, and the Southeast Fisheries Center, National Marine Fisheries Service, of the National Oceanographic and Atmospheric Administration, United States Department of Commerce. [Rockville, Md.]: National Ocean Service.

G1107.M4G3 U6 December 1985

Gulf of Mexico hydrographic data: CTD, XTB, and bottle data 1987-1995, and GulfGET Program, CTD, XBT, and marine mammals database, 1992-1994. (1996).

Silver Spring, MD: National Oceanographic Data Center (CD-ROM NODC ; 72) GC521 .G85 1996

Handbook of federal systems and services for marine pollution data and information. (1988).

Washington, D.C.: Ocean Pollution Data and Information Network, Central Coordination and Referral Office, U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, [1988] GC1085 .H35 1988

Handbook of federal systems and services for marine pollution data and information. (1985). Rockville, MD: Central Coordination and Referral Office, Ocean Pollution Data and Information Network, National Oceanographic Data Center, National Environmental Satellite, Data, and Information Service.
GC1085 .H35 1985

Handbook of NOAA systems and services for marine and Great Lakes pollution data and information. (1992).

Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, Ocean Pollution Data and Information Network, Central Coordination and Referral Office.
GC1085 .H33 1992

Highlights (National Oceanographic Data Center (U.S.)). (1968-).

[Washington, D.C.]: NOAA, National Oceanographic Data Center.
GC37.5 .N38 1961-70

Lappo, S., Egorov, Y., Virsis, M., Nalbandov, Y., Makovetskaya, E., Virsis, L., Smolyar, I., Levitus, S. **History of the Arctic exploration.** (2003).

Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, World Data Center for Oceanography, 2003. CD-ROM version. (*International ocean atlas and information series* ; v. 8.)

Online access: <http://www.nodc.noaa.gov/OC5/HISTORY/start.html>

History of NODC. (1997).

Compiled by Carol Watts, Chief LISD. [Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, Library and Information Services Division, 1997]
GC58 .H5 1997

Rappaport, Edward N. (1992).

Hurricane Andrew: a preliminary look. Washington, D.C.: National Oceanographic Data Center, National Environmental Satellite Data and Information Service, NOAA.
QC945.A5 R366 1992

Sapozhnikov, V., Gruzevich, A., Zubarevich, V., Arzhanova, N., Mordasova, N., Nalyotova, I., Torgunova, N., Mikhailovskiy, Y., & Smolyar, I. (2001).

Hydrochemical atlas of the Sea of Okhotsk 2001. V. Sapozhnikov ... [et al.], Dept. of Fisheries of Russian Federation, Russian Federal Research Institute of Fisheries and Oceanography, Laboratory of the Marine Ecology ; I. Smolyar, World Data Center for Oceanography, U.S. Department of Commerce, NOAA/NESDIS, National Oceanographic Data Center, Ocean Climate Laboratory ; edited by V. Sapozhnikov, S. Levitus. Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service. (*NOAA atlas NESDIS* ; 41.)

Online access: http://www.nodc.noaa.gov/OC5/okhotsk/start_ok.html

Online access (data): <http://data.nodc.noaa.gov/acquisition/0000521> (NODC Accession: 0000521)
G1046.C1 N3 no.41

Hydrographic program data. (1998).

World Ocean Circulation Experiment, NSF, Scripps Institution of Oceanography.

[Southampton, U.K.: WOCE International Project Office, Data Information Unit ; Silver Spring, MD: Available from the U.S. National Oceanographic Data Center.

Online access: <http://data.nodc.noaa.gov/acquisition/9800098> (NODC Accession: 9800098)

Online access: <http://whpo.ucsd.edu/> (Updated program information)

GC228.5 .W45 1998 disc 2

Hydrographic Program: data and products. (1998).

World Ocean Circulation Experiment, Bundesamt für Seeschiffahrt und Hydrographie, Max-Plank-Institut für Meteorologie.

[Southampton, U.K.: WOCE International Project Office, Data Information Unit ; Silver Spring, MD: Available from the U.S. National Oceanographic Data Center.

Online access: <http://data.nodc.noaa.gov/acquisition/9800099> (NODC Accession: 9800098)

Online access: <http://whpo.ucsd.edu/> (Updated program information)

GC228.5 .W45 1998 disc 3

Indian Ocean atlas: interpolated values of depth, salinity, and temperature on selected sigma-t surfaces. (1967).

Washington, D.C.: U.S. Naval Oceanographic Office, Hydrodynamics Branch. (*Publication (National Oceanographic Data Center)* ; G-12)

QC994.5.I5 1967 archive

G9181.C1 I39 1967

GC1 .U425 no.G-12 1967 atlas

Influence of mid-ocean ridge processes in the ocean: bibliography for the second Scientific Meeting, the Oceanography Society. (1991).

[Washington, D.C.?]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, Library and Information Services Division.

Z6004.P6 I53 1991

National Oceanographic Data Center (U.S.). (1963).

Introduction to the National Oceanographic Data Center. Washington: U.S. Naval Oceanographic Office.

GC1 .U425 no.G-1

GC57.N38 I54 1963

Inventory of BT data (National Oceanographic Data Center) world wide, all oceans and seasons.

July, 1960. (1960).

Washington, D.C.: U.S. Hydrographic Office.

GC171 .U5

Inventory of non-federally funded marine pollution research, development, and monitoring activities: South Atlantic and Gulf Coastal Region. (1984).

Prepared by National Oceanographic Data Center and National Marine Pollution Program Office.
[Rockville, Md.]: National Oceanic and Atmospheric Administration, National Ocean Service, National
Marine Pollution Program Office.
GC1085 .I67 1984

Inventory of oceanographic data, National Oceanographic Data Center. North Atlantic Ocean.
(1960).

Washington, D.C., U.S. Navy Hydrographic Office. (*Special publication (United States. Naval
Oceanographic Office)* ; SP-12, pt. 2.)

GC491 .U48

QC994.2 .I5 1960

Key to oceanographic records documentation. (1973).

Washington, D.C.: United States, Environmental Data Service, National Oceanographic Data Center,
1973-

Z6004.P6 U52

Matishov, G., Zuyev, A., Golubev, V., Adrov, N., Timofeev, S., Karamusko, O., Pavlova, L., Fadyakin,
O., Buzan, A., Braunstein, A, Moiseev, D., Smolyar, I., Locarnini, R., Tatusko, R., Boyer, T., Levitus,
S. (2004).

**Klimaticheskii atlas morei Arkтики 2004. Chast' I, Baza dannykh Baren't'seva, Karskogo,
Laptevykh i Belogo morei: okeanografiya i morskaia biologiya = Climatic atlas of the Arctic
Seas.** G. Matishov ... [et al.] ; I. Smol'iar ... [et al.] ; Rossiiskaia Akademiia Nauk, Kol'skii
nauchnyi tsentr, Murmanskii morskoi biologicheskii institut ; U.S. Dept. of Commerce, National
Oceanic and Atmospheric Administration National Environmental Satellite, Data, and Information
Service, [National Oceanographic Data Center, Ocean Climate Laboratory]. Silver Spring, MD: U.S.
Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental
Satellite, Data, and Information Service, [National Oceanographic Data Center, Ocean Climate
Laboratory]. (*International ocean atlas and information series* ; v. 9) ; (*NOAA atlas NESDIS* ; 58)
Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/english58.pdf> (English)
Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/russian58.pdf> (Russian)
G1046.C1 N3 no.58

KODC newsletter.

Kyōongsangnam-do, Korea: Korea Oceanographic Data Center, National Fisheries Research and
Development Agency.

GC59.81.K6 K7 Journals

Fiolek, Anna. (2003).

**List of publications in oceanography, climatology and fisheries of Korea held in the NOAA
library system.** Compiled by Anna Fiolek with the assistance of Liselle Drake and Erie Taniuchi.
Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration,
National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center,
NOAA Central Library. *Current references (National Oceanographic Data Center (U.S.). Library and
Information Services Division)* ; 2003-2.

Online access:

http://www.lib.noaa.gov/researchtools/subjectguides/Korean_bibliography_2007_final.pdf

(Revised, Feb. 2007)

Z6882 .C9 no.2003-2 (Rev. 2007)

Fiolek, Anna. (2003).

List of publications on shipwrecks and shipwreck related topics located in NOAALINC, NOAA Library Network Online Catalog. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, NOAA Central Library. (*Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division)* ; 2003-3.)
Online access: <http://docs.lib.noaa.gov/rescue/Bibliographies/Shipwrecks1.pdf> (Rev., Aug. 2004)
Z6682 .C9 no.2003-3
Z6682 .C9 no.2003-3, Rev. (Online)

Avery, Kenneth R. (1972).

Literature search for atmospheric humidity profile models from the sea surface to 1,000 meters. Silver Spring, MD: National Oceanographic Data Center, 1972. (*NOAA technical memorandum EDS NODC* ; 1)
GC1 .U4 no.1

Louisiana/Texas shelf physical oceanography program. Task C, Eddy circulation study: NODC hydrographic data submission. (1992).

[Raleigh, N.C.: Science Applications International Corporation]
Online access: <http://data.nodc.noaa.gov/accession/9200252> (NODC Accession: 9200252)
GC521 .L64 1992

Louisiana/Texas shelf physical oceanography program. Task C, Eddy circulation study: NODC hydrographic data submission: interim submission. (1992).

[Raleigh, N.C.: Science Applications International Corporation]
Online access: <http://data.nodc.noaa.gov/accession/9200272> (NODC Accession: 9200272)
GC521 .L641 1992

Louisiana/Texas shelf physical oceanography program. Task C, Eddy circulation study: NODC hydrographic data submission: interim submission. (1993).

[Raleigh, N.C.: Science Applications International Corporation]
Online access: <http://data.nodc.noaa.gov/accession/9300126> (NODC Accession: 9300126)
GC521 .L641 1993

Louisiana/Texas Shelf Physical Oceanography Program. (1995).

Task C, Eddy circulation study: NODC hydrographic data submission: F16SQUIRT, F18LEDDY, F19SEDDY, F20SLOPE and F21SQUIRT--AXBT'S, F06SPECI, F09SEDDY, F13SQUIRT, F16SQUIRT, F18LEDDY, F20SLOPE and F21SQUIRT--AXCP'S: interim Submission. [Raleigh, N.C.: Science Applications International Corporation]
Online access: <http://data.nodc.noaa.gov/accession/9500101> (NODC Accession: 9500101)
GC521 .L641 1995

Louisiana/Texas Shelf Physical Oceanography Program. Task C, Eddy circulation study: NODC ARGOS tracked drifter data submission: interim submission. (1993).

[Raleigh, N.C.: Science Applications International Corporation]
Online access: <http://data.nodc.noaa.gov/accession/9300144> (NODC Accession: 9300144)
GC521 .L611 1993

Louisiana/Texas Shelf Physical Oceanography Program. (1994).

Task C, Eddy circulation study: NODC hydrographic data submission, F10SLOPE and F11LEDDY: interim submission. [Raleigh, N.C.: Science Applications International Corporation]
Online access: <http://data.nodc.noaa.gov/accession/9400012> (NODC Accession: 9400012)
GC521 .L641 1994

Louisiana/Texas Shelf Physical Oceanography Program. (1994).

Task C, Eddy circulation study: NODC hydrographic data submission, F12SLOPE, F13SQUIRT and F14LEDDY: interim submission. [Raleigh, N.C.: Science Applications International Corporation]
Online access: <http://data.nodc.noaa.gov/accession/9400064> (NODC Accession: 9400064)
GC521 .L641 1994a

Louisiana/Texas Shelf Physical Oceanography Program. (1994)

Task C, Eddy circulation study: NODC hydrographic data submission, F15SLOPE, F16SQUIRT and F17SLOPE: interim submission. [Raleigh, N.C.: Science Applications International Corporation]
Online access: <http://data.nodc.noaa.gov/accession/9400222> (NODC Accession: 9400222)
GC521 .L641 1994b

Manual for processing bathythermograph data. (1964).

Washington, D.C.: U.S. Naval Oceanographic Office, [National Oceanographic Data Center,].
(*Manual series (National Oceanographic Data Center (U.S.))* ; publication M-3)
GC1 .U423 no. publication M-3 pt.1
GC1 .U423 no. publication M-3 pt.2

Manual for processing current data. (1964-).

Washington, D.C.: U.S. Naval Oceanographic Office, National Oceanographic Data Center. (*Manual series (National Oceanographic Data Center (U.S.))* ; publication M-6)
525.8 U58NODC M-6
GC231 .N3

Manual series (National Oceanographic Data Center (U.S.)). (1962-).

U.S. Naval Oceanographic Office, National Oceanographic Data Center.
GC1 .U423

Ashby, Charlotte. (1972).

Marine science newsletters: an annotated bibliography. Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, Environmental Data Service, National Oceanographic Data Center. (*NOAA technical memorandum EDS NODC* ; 2)
GC1 .U4 no.2

Ashby, Charlotte. (1973).

Marine science newsletters--1973: an annotated bibliography.

Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, Environmental Data Service, National Oceanographic Data Center.
(*NOAA technical memorandum EDS NODC* ; 3)
GC1 .U4 no.3

Ashby, Charlotte.

Marine science newsletters--1975: an annotated bibliography. (1975).

Washington: Dept. of Commerce, National Oceanic and Atmospheric Administration, Environmental Data Service, National Oceanographic Data Center. (*NOAA technical memorandum EDS NODC* ; 4)
GC1 .U4 no.4
Q225 .U5 1975

Marine science newsletters--1977: an annotated bibliography. (1977).

Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, Environmental Data Service. (*NOAA technical memorandum EDS NODC* ; 5)
GC1 .U4 no.5

Marine toxic substances and pollutants: data exchange format (NODC file 144). (1984).

[Washington, D.C.]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center.
GC1085 .M37 1984

The Maury collection: global ship observations 1792-1910. (1998).

Asheville, N.C.: National Oceanographic and Atmospheric Administration, National Climatic Data Center. CD-ROM.
QC875 .N3 1792-1910 CD-ROM

Meteorology and oceanography of the Middle East. (1991).

[Rockville, Md.]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration:
National Environmental Satellite, Data, and Information Service: National Oceanographic Data Center,
[1991] (*Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division)* ; 91-3)
Z6683.A83 M48 1991
Z6682 .C9 no.91-3

Yamazaki, Hidekatsu, John B. Herbich. (1985).

Monthly wave characteristics: National Oceanographic Data Center. College Station, Tex.: Texas A&M Sea Grant College Program. (*TAMU-SG* ; -86-205) ; (*COE report* ; no. 273)
Online access: <http://nsdl.gso.uri.edu/cgi-bin/copyright.cgi?http://nsdl.gso.uri.edu/tamu/tamut85008.pdf>
GC57.2 .T4 no.86-205

Monthly weather review. Atlantic hurricane season, annual summaries. (2001-).

[National Hurricane Center Technical Library]. [Miami, Fla.: U.S. Dept. Of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, NOAA Miami Regional Library]
Online access: <http://www.aoml.noaa.gov/general/lib/lib1/nhclib/mwreviews/> (1872-present)
QC945.2 .M6 disc 1 (1881-1957)
QC945.2 .M6 disc 2 (1958-1978)
QC945.2 .M6 disc 3 (1979-2000)

National Marine Pollution Program catalog of federal projects FY 1983 update. (1984).

[Rockville, MD]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration [and]
National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center.
GC1080 .U53 1984a2

National Oceanographic Data Center (U.S.)

National Oceanographic Data Center accomplishments, FY 1988. (1989).

Office of the Director, National Oceanographic Data Center. Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service. (*NODC informal report* ; no. 9)

GC37.5 .N33 1988

National Oceanographic Data Center annual report. (1981-).

Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, Environmental Data and Information Service, National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/General/NODCPubs/FY1998AR.pdf> (1998)

Online access: <http://www.nodc.noaa.gov/General/NODCPubs/FY1999AR.pdf> (1999)

Online access: <http://www.nodc.noaa.gov/General/NODCPubs/FY2000AR.pdf> (2000)

GC37.5 .N38 1981

GC37.5 .N38 1982

GC37.5 .N38 1998

GC37.5 .N38 1999

[**National Oceanographic Data Center: articles about the establishment of the Center.**] (1960-1961).

Articles from various government publications. [Washington, D.C.: U.S. G.P.O.]

GC37.5 .N34 1960

Collins, Donald. (1998).

National Oceanographic Data Center coastal water temperature guide. [Silver Spring, MD: National Oceanic and Atmospheric Administration. (NOAA), National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/dsdt/cwtg/> (Current)

GC167 .U6 N38 1998

Topoly, Peter J, Philip R. Hadsell, and Richard J. Abram. (1989).

National Oceanographic Data Center experimental CD-ROM NODC-01: Pacific Ocean temperature and salinity profiles. National Oceanographic Data Center. Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center. (*NODC informal report* ; no. 10)

GC58 .N63 no.10

Levitus, Sydney and Robert D. Gelfeld. (1992).

National Oceanographic Data Center inventory of physical oceanographic profiles: global distributions by year for all countries. [Washington, D.C.]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service. (*Key to oceanographic records documentation* ; no. 18)

Z6004.P6 U52 no.18

National Oceanographic Data Center programs and operations. 1989. (1989).

Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center. (*NODC informal report* ; no. 11.)

GC58 .N63 no.11

National Oceanographic Data Center programs and operations. 1993. (1993).

Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center. (*NODC informal report* ; no. 11.)
GC58 .N63 no.11 1993

Fiolek, Anna. (2015).

National Oceanographic Data Center publications and products in the NOAA Central Library Network, 1961-2015. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, NOAA Central Library. (*Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division)* ; 2008-2, (Revised May 2015). Online access:

http://docs.lib.noaa.gov/noaa_documents/NESDIS/NODC/LISD/Central_Library/current_references/current_references_2008_2_update_2015.pdf

National Oceanographic Data Center taxonomic code. (1984).

National Oceanographic Data Center. [Washington, D.C.]: National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service. (*Key to oceanographic records documentation* ; no. 15)

Z6004.P6 U52 no.15 v.1

Z6004.P6 U52 no.15 v.2

National Oceanographic Data Center users guide. (1991).

National Oceanographic Data Center. Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service. (*Key to oceanographic records documentation* ; no. 14)

Z6004.P6 U52 no.14

Newsletter (National Oceanographic Data Center). (1961-1971).

Washington, D.C.: National Oceanographic Data Center.

GC1 .N495 Journals

NOAA Atlas NESDIS series. (1994 - 2013).

Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Oceanographic Data Center, Ocean Climate Laboratory.

Online access: http://docs.lib.noaa.gov/noaa_documents/NESDIS/NODC/NOAA_Atlas_NESDIS/G1046.C1 N3

NOAA Coastal Ocean Data Workshop. (1997).

NOAA Coastal Ocean Data Workshop, convened at the Harbor Branch Oceanographic Institution, Fort Pierce, Florida, March 11-13, 1997: final report. [Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Oceanographic Data Center. GC38 .N63 1997

Sun, Charles. (1999).

NOAA CoastWatch retrospective AVHRR data. National Oceanographic Data Center, Coastal Ocean Laboratory ; [page developed and created by Charles Sun]. Silver Spring, MD: The Laboratory.

GC10.4.R4 N62 1999

NOAA environmental buoy data. (1998).

Silver Spring, MD: Coastal Ocean Laboratory, National Oceanographic Data Center, U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration.

C 55.297:B 88/DISC.1-7/CD disc 1-7

NOAA marine environmental buoy database. (1994).

Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center. (*CD-ROM NODC* ; 21-)

Online access: <http://www.nodc.noaa.gov/BUOY/buoy.html>

GC11.2 .N63 1994 Atlantic Ocean, disc 1-4

GC11.2 .N63 1994 E. Pacific Ocean, disc 1-4

GC11.2 .N63 1994 Great Lakes, disc 1-2

GC11.2 .N63 1994 Gulf of Mexico, disc 1-2

GC11.2 .N63 1994 North Pacific Ocean

GC11.2 .N63 1994 Update disc 1, all area

GC11.2 .N63 1994 Update disc 93-1 - 93-3

GC11.2 .N63 1994 Update disc 94-1 - 94-3

GC11.2 .N63 1994 Update disc 1995

NOAA marine environmental buoy database. Atlantic Ocean. (1994).

Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Geophysical Data Center, [1994]. (*CD-ROM NODC* ; 23-26)

GC481.N63N63 1994

NOAA marine environmental buoy database. Eastern Pacific Ocean. (1994).

Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Geophysical Data Center. (*CD-ROM NODC* ; 31-34)

GC851.N63N63

NOAA marine environmental buoy database. Gulf of Mexico. (1994).

Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Geophysical Data Center, [1994]. (*CD-ROM NODC* ; 21-22)

GC858.N63 no.21

NOAA marine environmental buoy database. North Pacific Ocean. (1994).

Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Geophysical Data Center. (*CD-ROM NODC* ; 30)

GC781.N63

NOAA marine environmental buoy database. Western & Central Pacific Ocean. (1994).

Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration,

National Environmental Satellite, Data and Information Service, National Geophysical Data Center.
(CD-ROM NODC ; 29)
GC771.N63 no.29

NOAA National Oceanographic Data Center (NODC) [Home page] (1994).
[Silver Spring, MD: National Climatic Data Center.
Online access: <http://www.nodc.noaa.gov/>
GC37 .N385 1994

NOAA products and services pertaining to the New York Bight. (1973).
Prepared by the National Oceanographic Data Center. Rockville, MD: Marine Ecosystems Analysis Systems.
QH541.5.S3 U56 1973

NOAA technical memorandum EDS NODC. (1972).
Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, Environmental Data Service, National Oceanographic Data Center.
GC1 .U4

Davis, Sarah, Ashley Jefferson, and Jan Thomas. (2014).

NOAA-authored publications. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, NOAA Central Library. (*Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division)* ; 2014-04)
Online access: http://www.lib.noaa.gov/researchtools/subjectguides/noaa_publications.html

NODC annual report. (1961-2001).
Silver Spring, MD: National Oceanic and Atmospheric Administration, National Oceanographic Data Center. Earlier titles: **Annual report of the NODC** (1961-1967); **NODC Highlights** (1968-1970?)
Online access (Incomplete):
http://docs.lib.noaa.gov/noaa_documents/NESDIS/NODC/Annual_Reports/
GC37.5 N38

Hamilton, Booz Allen. (2007).

NODC blueprint: benchmark summary report: data and information management best practices. [Silver Spring, Md.]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, [National Environmental Satellite, Data, and Information Service], National Oceanographic Data Center
GC58 .N643 2007 CD-ROM

NODC catalog of OCSEAP data. (1979).
Compiled by NODC, Data Index Branch. Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, Environmental Data and Information Service.
GC1552.E85 N6 1978 pt.1
GC1552.E85 N6 1978 pt.2

NODC coastal water temperature guide. (1999).
Silver Spring, MD: National Oceanic and Atmospheric Administration, National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/dsdt/cwtg/>

Online Access: <http://seaboard.ndbc.noaa.gov/> (National Data Buoy Center)

Online access: <http://tidesonline.nos.noaa.gov/> (Tides online)

GC167.U6 N38 1999

NODC Coral Reef Data and Information. (1999).

Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Oceanographic Data Center.

QH541.5.C7 N8 1999 (Online)

NODC environmental information bulletin. (1985-1991).

Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center. GC37.5 .N53 Journals

Halmiski, Sylvester J., K. R. Avery, D. LaMar. (1972).

An NODC evaluation of paired N3S and N0E NOMAD bouy surface observations: Project SEA SENSE. Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, Environmental Data Service, National Oceanographic Data Center. GC41 .H35 1972

NODC general series: publication. (1963-).

Washington: U. S. Naval Oceanographic Office, National Oceanographic Data Center.

GC1 .U425

NODC informal report. (1986-).

Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service. Online access (Incomplete): http://docs.lib.noaa.gov/noaa_documents/NESDIS/NODC/NODC_informal_report/ GC58 .N63

NODC inventory of XBT data along transects in U.S. Atlantic and Gulf coastal waters from NMFS/MARAD Ship of Opportunity Program for 1976. (1978).

Washington, D.C.: National Oceanic and Atmospheric Administration, Environmental Data and Information Service. (*Key to oceanographic records documentation* ; no. 7)

Z6004.P6 U52 no.7

NODC inventory of XBT data along transects in U.S. Atlantic and Gulf coastal waters from NMFS/MARAD Ship of Opportunity Program for 1977. (1979).

Washington, D.C.: National Oceanic and Atmospheric Administration, Environmental Data and Information Service, National Oceanographic Data Center. (*Key to oceanographic records documentation* ; no. 8.)

Z6004.P6 U52 no.8

NODC inventory of XBT data along transects in U.S. Atlantic and Gulf coastal waters from NMFS/MARAD Ship of Opportunity Program for 1978. (1979).

Washington, D.C.: National Oceanic and Atmospheric Administration, Environmental Data and Information Service, National Oceanographic Data Center. (*Key to oceanographic records documentation* ; no. 9.)

Z6004.P6 U52 no.9

NODC inventory of XBT data along transects in U.S. Atlantic and Gulf coastal waters from NMFS/MARAD Ship of Opportunity Program for 1979. (1980).

Washington, D.C.: National Oceanic and Atmospheric Administration, Environmental Data and Information Service, National Oceanographic Data Center. (*Key to oceanographic records documentation* ; no. 10.)

Z6004.P6 U52 no.10

NODC inventory of XBT data along transects in U.S. Atlantic and Gulf coastal waters from NMFS/MARAD Ship of Opportunity Program for 1981. (1983).

Washington, D.C.: National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center. (*Key to oceanographic records documentation* ; no. 12.)

Z6004.P6 U52 no.12

NODC inventory of XBT data along transects in U.S. Atlantic and Gulf coastal waters from NMFS/MARAD Ship of Opportunity Program for 1980. (1983).

Washington, D.C.: National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center. (*Key to oceanographic records documentation* ; no. 11.)

Z6004.P6 U52 no.11

NODC inventory of XBT data along transects in U.S. Atlantic and Gulf coastal waters from NMFS/MARAD Ship of Opportunity Program for 1982. (1983).

Washington, D.C.: National Oceanographic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center. (*Key to oceanographic records documentation* ; no. 13.)

Z6004.P6 U52 no.13

Halmiski, Sylvester J., K. R., Avery, D. LaMar. (1972).

An NODC operational evaluation of environmental observations from the ERB-1 buoy for January 1971: project SEA SENSE. (1972).

Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, Environmental Data Service.

GC41 .H3 1972

NODC standard format. Daily sea level (F185) data for the Atlantic, Pacific and Indian Oceans (1901-present) (1998).

[Honolulu, Hawaii: University of Hawaii, Joint Archive for Sea Level ; Silver Spring, MD: National Oceanographic Data Center.

GC89 .N634 1998

NODC standard format. Hourly sea level (F184) data for the Atlantic, Pacific and Indian Oceans (1901-present) (1998).

[Honolulu, Hawaii: University of Hawaii, Joint Archive for Sea Level ; Silver Spring, MD: National Oceanographic Data Center.

GC89 .N633 1998

NODC standard format. Meteorology, oceanography, and wave spectra data from buoys (F291) for ... (1998).

Stennis Space Center, Miss.: U.S. Dept of Commerce, National Oceanic and Atmospheric Administration, National Data Buoy Center.

GC150.5 .O34 1999

NODC standard format. Monthly sea level (F186) data for the Atlantic, Pacific and Indian Oceans (1901-present) (1998).

[Honolulu, Hawaii: University of Hawaii, Joint Archive for Sea Level ; Silver Spring, MD: National Oceanographic Data Center]

GC89 .N635 1998

Hardy, Jerry D., Jr. (1993).

NODC taxonomic code. [Washington, D.C.]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanic Data Center. (*CD-ROM NODC* ; 35)

QH83.5 N3 1993

Hardy, Jerry D., Jr. (1997).

NODC taxonomic code. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, [1997.] (*CD-ROM NODC* ; 68)

QH83.5 .N3 1997

NODC taxonomic code. (1981). Prepared for National Oceanic and Atmospheric Administration, National Oceanographic Data Center. [Washington, D.C.]: NODC, [1981.]

QH83.5 .N6 1981

QL10 .N2 v.1-v.2

NODC's water temperature guide to the Pacific coast. (1985).

[Washington, D.C.]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center. GC166 .U5 1985

NSWC moored ADCP data, 1994: straits of Florida, 26° 04.00'N, 80° 03.50'W. (1994).

Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Oceanographic Data Center, [1994.] (*CD-ROM NODC* ; 59.)

GC281.F6 N79 1994

NSWC moored ADCP data, 1994-1995: straits of Florida, 26° 04.00'N, 80° 03.50'W. (1996).

Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Oceanographic Data Center. (*CD-ROM NODC* ; 71.)

GC281.F6 N79 1996

Ocean and global climate change: bibliography for the second Scientific Meeting, the Oceanography Society. (1991).

[Washington, D.C.]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, Library and Information Services Division, [1991.]

Z6004.P4 O15 1991

Stevens, P., Tommos, K., McLain, D. (1990).

Ocean cross-sections from the National Oceanographic Data Center archives: SEAS III cruises

1986 to 1990. [Monterey, Calif.: Fleet Numerical Oceanography Center.]

GC150.5 .S7 1990

Ocean current drifter data. (1995).

Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Oceanographic Data Center, [1995.] (*CD-ROM NODC* ; 53-54.)

GC231.2 .O34 1995 disc 1-2

Belter, Chris, Mary Lou Cumberpatch. (2008-)

Ocean Exploration and Research bibliography. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, NOAA Central Library.

Online access: http://www.lib.noaa.gov/researchtools/subjectguides/oer_bibliography.html

Oceanographic station profile time series. (1993).

Washington, D.C.: U.S. Dept. of Commerce, NOAA, National Environmental Satellite, Data, and Information Service, National Oceanographic Data

Center/World Data Center A: Oceanography. (*CD-ROM NODC* ; 20.)

GC57 .0343 1993

Capurro, Luis R. A., Albert M. Bargeski, and William H. Myers. (1961-1966).

Oceanographic vessels of the world; a joint publication of IGY World Data Center A for

Oceanography and the National Oceanographic Data Center. Washington, D.C.: Printed by U.S.

Navy Hydrographic Office. (*NODC general series. Publication* ; G-2)

VM453 .I6 v.1-v.3 1961

OCL Plankton Database. (2000).

Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, [National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory.

Online access: <http://www.nodc.noaa.gov/General/plankton.html>

QH91.8 .P5 O27 2000

OPDIN update. (1990-).

Washington, D.C.: Ocean Pollution Data and Information Network, National Oceanographic Data Center.

GC1080 .O6 Journals

Pacific Ocean temperature-salinity profiles (1900-1988) electronic resource: experimental compact disc, NODC-01. (1989).

Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite Data and Information Service, National Oceanographic Data Center. (*NODC informal report* ; no. 10.)

GC771 .P3 1989

GC771 .P3 1989 documentation

Physical oceanographic field program offshore North Carolina: NODC current meter data submission. (1993).

Raleigh, N.C.: Science Applications International Corporation.
GC512.N8 P49 1993

Physical oceanographic field program offshore North Carolina: NODC current meter data submission: final submission, deployments 1 through 8. (1994).

[Raleigh, N.C.: Science Applications International Corporation].
GC512.N8 P493 1994

Physical oceanographic field program offshore North Carolina: NODC hydrographic data submission. (1992).

[Raleigh, N.C.: Science Applications International Corporation].
GC512.N8 P44 1992

Physical oceanographic field program offshore North Carolina: NODC hydrographic data submission, cruises SD9301, SD9302, SE9316, SE9401: final submission. (1994).

[Raleigh, N.C.: Science Applications International Corporation].
GC512.N8 P443 1994

Physical oceanographic field program offshore North Carolina: NODC hydrographic data submission, cruises SE9301, SE9303, SE9309: interim submission. (1994).

[Raleigh, N.C.: Science Applications International Corporation].
GC512.N8 P441 1994

Physical oceanographic field program offshore North Carolina: NODC hydrographic data submission: interim submission. (1993).

[Raleigh, N.C.: Science Applications International Corporation] 1993.
GC512.N8 P441 1993

Physical oceanographic field program offshore North Carolina: NODC ARGOS tracked drifter data submission: interim submission. (1993-1994).

[Raleigh, N.C.: Science Applications International Corporation]
GC512.N8 P411 1993
GC512.N8 P411 1994

Physical oceanographic field program offshore North Carolina: NODC GPS tracked drifter data submission: final submission. (1994). [Raleigh, N.C.: Science Applications International Corporation].

GC512.N8 P433 1994

Fiolek, Anna. (2004).

Pioneers in modern meteorology and climatology: Vilhelm and Jacob Bjerknes: a selected bibliography. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental, Satellite, Data, and Information Service, National Oceanographic Data Center, NOAA Central Library. (*Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division)* ; 2004-1.)

Online access: http://docs.lib.noaa.gov/rescue/Bibliographies/Bjerknes/Bjerknes_July_2004.pdf

Z6682 .C9 no.2004-01

Policy and science of exclusive economic zone mapping: a bibliography. (1989).

[Washington, D.C.]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental, Satellite, Data, and Information Service, National Oceanographic Data Center, Library and Information Services Division.

JX4144.5 .P65 1989

JX4144.5 .P65 1989

A précis of the NOAA library's CD-ROM holdings. (1990).

Rockville, MD: National Oceanic and Atmospheric Administration, NESDIS/NODC, Library and Information Services, Division.

Z692.C39 P7 1990

Preliminary bibliography of published results of marine research by U. S. scientists in the CICAR area, 1968-1975. (1976).

Atlantic Oceanographic & Meteorological Laboratories [and] National Oceanographic Data Center.

Washington: National Oceanic and Atmospheric Administration, Environmental Research Laboratories, Environmental Data Service.

Z6044.C35 U5

International Workshop on Oceanographic Biological and Chemical Data Management (1996: Hamburg, Germany). (1997).

Proceedings of the International Workshop on Oceanographic Biological and Chemical Data Management, May 20-23, 1996. Sponsors, Intergovernmental Oceanographic Commission, U.S. National Oceanographic Data Center, European Union MAST. Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center. (*NOAA technical report NESDIS* ; 87) QC879.5 .U47 no.87

Workshop on NOAA-wide data exchange formats and data documentation (1993).

Proceedings of the workshop on NOAA-wide data exchange formats and data documentation, Camp Springs, MD, November 19, 1992. Washington, D.C.: National Oceanographic Data Center. T58.64 W92 1993

Processing physical and chemical data from oceanographic stations. (1964).

Washington, D.C.: National Oceanographic Data Center. (*Publication (National Oceanographic Data Center (U.S.))*)

GC10.4.E4 P7 1964 pt.1

GC10.4.E4 P7 1964 pt.1A

Weiss, Martin. (1968).

Project description geological sample inventory: U.S. North Atlantic continental shelf, 1 July 1966-30 June 1967. Washington, D.C.: National Oceanographic Data Center.

QE471 .W4 1968

Project Magnet: aeromagnetic surveys, 1953-1994. (1996). National Geophysical Data Center, World Data Center A for Solid Earth Geophysics; in cooperation with U.S. Naval Oceanographic

Office. Boulder, Colo.: National Geophysical Data Center, World Data Center A for Solid Earth Geophysics.
QC825 .P76 1996

Collins, Elaine V. (2001).

Publications by National Oceanographic Data Center personnel, 1960-2001: a bibliography.

Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, NOAA Central Library. (*Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division)* ; 2001-1.)

Z6682 .C9 no.2001-1

Publications of the NODC Ocean Climate Laboratory, 1982-2015. (2015).

Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, NOAA Central Library.

Online access: <http://www.nodc.noaa.gov/OC5/indpub.html>

Boyer, Timothy P. and Sydney Levitus. (1994).

Quality control and processing of historical oceanographic temperature, salinity, and oxygen data. Timothy P. Boyer and Sydney Levitus (National Oceanographic Data Center, Ocean Climate Laboratory). Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service. (*NOAA technical report NESDIS* ; 81.)

Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/qc94tso.pdf>

QC879.5 .U47 no.81

Conkright, Margarita E., Timothy Boyer, Sydney Levitus. (1994).

Quality control and processing of historical oceanographic nutrient data. Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service. (*NOAA technical report NESDIS* ; 79)

Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/techr79.pdf>

QC879.5 .U47 no.79

Smolyar, I. (Igor). (2003).

The quantitative definition of the Barents Sea Atlantic water: mapping of the annual climatic cycle and interannual variability. I. Smolyar and N. Adrov. [Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Oceanographic Data Center, Ocean Climate Laboratory]

GC298.B3 S66 2003 (Online)

Dubach, Harold W. (1968).

Questions about the oceans. By Harold W. Dubach and Robert W. Taber. Washington, D.C.: U.S. Naval Oceanographic Office. (*NODC general series Publication* ; G-13.)

GC1 .U425 G-13

GC31.N2 Q8

Reference sources for oceanographic station data. (1969).

Washington, D.C.: National Oceanographic Data Center.

016.5258 U58NODCr

Report of observations/samples collected by oceanographic programs (ROSCOP). (1976).

[Washington]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, Environmental Data Service, National Oceanographic Data Center.

GC57.R47 1976

National Oceanographic Data Center (U.S.). (1990).

Report of the NODC retreat: "NODC operations for the 90's". Washington, D.C.: National Oceanographic Data Center. QC851 .N27 1990

Oceanographic Data Archeology Workshop (1990: Washington, D.C.)

Report of the Oceanographic Data Archeology Workshop, September 13-14, 1990. [Washington, D.C.]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, [1990] GC2.P27 1990

National Data Buoy Project, Interagency Ad Hoc Task Force. (1970).

Report on data search and acquisition: interim report, activity 2 for the analysis of environmental conditions within specified geographical regions. Washington, D.C.: National Oceanographic Data Center.

QC874.3 .N3

Williams, Francis. (1968).

Report on the Guinean trawling survey. Lagos: Organisation of African Unity, Scientific, Technical and Research Commission. (OAU/STRC publication ;no. 99) ; (NODC general series ;G-8.) AZ800 .S35 no.99 v.1-3

Bohnsack, James A., Adriana Y. Cantillo, Maria J. Bello, editors. (2002)

Resource survey of Looe Key National Marine Sanctuary 1983.

[Silver Spring, Md.]: United States National Oceanic and Atmospheric Administration, National Ocean Service. (NOAA technical memorandum NOS NCCOS CCMA ; 160) ; (NOAA technical memorandum NMFS-SEFSC ; 478) ; (*Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division)* ; 2002-8.)

Online access:

http://docs.lib.noaa.gov/noaa_documents/NESDIS/NODC/LISD/Central_Library/cedar106.pdf

GC57 .N63 no.160

SH11 .U33 no.478

Fiolek, Anna, Linda, Pikula, Brian Voss. (2010; rev. Dec. 2011).

Resources of oil spills, response, and restoration: a selected bibliography. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, NOAA Central Library ; (*Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division)* ; 2010-2 (Rev. Dec. 2011))

Online access (in PDF):

http://docs.lib.noaa.gov/noaa_documents/NESDIS/NODC/LISD/Central_Library/current_references/current_references_2010_2.pdf

Fiolek, Anna. (2006).

Resources on polar research in the NOAA Central Library Network : a selected bibliography.

Edited by Doria Grimes. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, NOAA Central Library, 2006-.

(*Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division)* ; 2006-1.)

Online access: <http://docs.lib.noaa.gov/rescue/Bibliographies/IPY2007.pdf>

Online access: http://docs.lib.noaa.gov/rescue/Bibliographies/IPY2007_poster.pdf (Polar Poster)

Online access: <http://www.lib.noaa.gov/collections/ipy.html> (Library's IPY home page)

Z6682.C9 no. 2006-1 Rev.2007

Levitus, Sydney. (1994).

Results of the NODC and IOC oceanographic data archaeology and rescue projects: report 1. [Washington, D.C.?]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service.

(*Key to oceanographic records documentation* ; no. 19.)

Z6004.P6 U52 no.19

RNODC-SOC annual report. (1991-1992). National Oceanographic Data Center for the Southern Oceans. Buenos Aires, Argentina: Argentine Oceanographic Data Center, Navy Hydrographic Service, National Scientific and Technical Research Council.

GC38 .R58 1991

GC38 .R58 1992

Mikhailov, N. N., edited by R. Tatusko, S. Levitus. (2002).

Russian marine expeditionary investigations of the world ocean. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, [National Oceanographic Data Center, Ocean Climate Laboratory] ; Obninsk: Russian Federal Service for Hydrometeorology and Environmental Monitoring, All-Russian Institute for Hydrometeorological Information ; World Data Center – B. (*NOAA atlas NESDIS* ; 56) ; (*International ocean atlas and information series* ; v. 5.)

G1046.C1 N3 no.56

Belter, Chris. (2011).

The Sargasso Sea: a selected bibliography. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, NOAA Central Library.

Online access: http://www.lib.noaa.gov/researchtools/subjectguides/sargasso_sea_bibliography.pdf

Fiolek, Anna and Chris Belter. (2013).

Scientific publications by Sydney Levitus, Chief of NODC Ocean Climate Laboratory & Director of World Data Center for Oceanography. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Oceanographic Data Center, NOAA Central Library. (*Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division)* ; 2013-01)

Schmidt, Thomas W. (1997).

Scientific studies on Dry Tortugas National Park: an annotated bibliography. By Thomas W. Schmidt, Linda Pikula. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Oceanographic Data Center. (*Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division)* ; 97-1.) Z6682 .C9 no.97-1

Sea level data from the TOGA Sea Level Center and the Permanent Service for Mean Sea Level. (1994).

TOGA Sea Level Center, Permanent Service for Mean Sea Level. Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center. (*CD-ROM NODC* ; 42.) GC89 .S43 1994

Monterey, G. I., Sydney Levitus. (1998).

Seasonal Variability of Mixed Layer Depth for the World Ocean. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 14)

G1046.C1 N3 no.14

Churkin, James, Rudi Saenger. (1996).

Selected IIOE track charts. Automatically produced, based on data of the International Indian Ocean Expedition. Washington, D.C: U.S. Naval Oceanographic Office, National Oceanographic Data Center.

GC1 .U425 no.G-10

Fiolek, Anna. (2007).

Selected publications on TIROS satellites and satellite meteorology available from the NOAA Central Library Network. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, NOAA Central Library. (*Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division)* ; 2007-1.)

Online access: <http://www.lib.noaa.gov/researchtools/subjectguides/tirosbib.pdf>

Z6882 .C9 no.2007-1

Straits of Florida physical oceanography field program: NODC hydrographic data submission. (1992).

[Raleigh, N.C.: Science Applications International Corporation.].

GC512.F6 S74 1992

Straits of Florida physical oceanography field program: NODC moored current meter data submission. (1992).

[Raleigh, N.C.: Science Applications International Corporation.].

GC512.F6 S79 1992

Ochinero, Robert V. (1967).

Summary of NODC Ad Hoc Committee and Working Group activities. Washington, D.C.: U.S. Naval Oceanographic Office, National Oceanographic Data Center.

GC1 .U425 no.G-14

Summary of oceanographic data collected by U.S. cruises in the CINECA area: with supplementary charts showing geographic locations of physical. (1978).

Chemical data archived at U. S. National Oceanographic Data Center; cooperative investigations of the northern part of the eastern Central Atlantic. Prepared by National Oceanographic Data Center for CINECA Regional Oceanographic Data Center, Service Hydrographique ICES. [Washington, D.C.]: National Oceanic and Atmospheric Administration, Environmental Data Service. (*Key to oceanographic records documentation* ; no. 6.)

Z6004.P6 U52 no.6

A summary of temperature-salinity characteristics of the Persian Gulf. (1964).

Washington, D.C., U.S. Naval Oceanographic Office, 1964. (*General series (National Oceanographic Data Center (U.S.))* ; publication G-4.)

GC1 .U425 no. G-4

Surface Velocity Program. (1998).

[Southampton, U.K.: WOCE International Project Office, Data Information Unit ; Silver Spring, MD: Available from the U.S. National Oceanographic Data Center.

GC228.5 .W45 1998 disc 6

Survey of U. S. newsletter-type publications with oceanographic Orientation. (1965).

[Washington, D.C.: National Oceanographic Data Center]. (*Special report (National Oceanographic Data Center (U.S.))*)

Z6005.P6 N37 1965

Bello, Maria, Eileen McVey, Randy Bossarte, and Gloria Aversano. (2005)

Sustainable aquaculture bibliography. [Silver Spring, MD: U.S. Dept of Commerce, National Oceanic and Atmospheric Administration, NESDIS, NODC, NOAA Central Library, Aquaculture Information Center]

Online access: <http://www.aoml.noaa.gov/general/lib/Regional/Sustaquaculture/sustaquad1.html>

Texas-Louisiana shelf circulation and transport processes study: data and reports 1992-1994. (1998).

Silver Spring, MD: National Oceanic Data Center in cooperation with Texas A&M University. (*CD-ROM NODC* ; 88-92.)

C 55.54:SH 4/CD disc 1-5

Aversano, Gloria. (2012).

Tornado bibliography. Miami, FL: National Oceanographic Data Center, Library and Information Services Division, NOAA Miami Regional Library. (*Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division)* ; 2012-02)

Online version: <http://www.aoml.noaa.gov/general/lib/lib1/nhclib/Bibs/TornadoBibFinal%20Copy.pdf>

Tornado publications: a selected bibliography. (2012).

Miami, FL: National Oceanographic Data Center, Library and Information Services Division, NOAA Miami Regional Library. (*Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division)* ; 2012-01)

Online access: <http://www.aoml.noaa.gov/general/lib/lib1/nhclib/Bibs/TornadoBibFinal%20Copy.pdf>

Grimes, Doria. (2002).

Treasures of the NOAA Central Library. [Silver Spring, Md.]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, NOAA Central Library. (*Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division)* ; 2002-5.)

Online access: http://www.lib.noaa.gov/collections/rare_archival2.html

Z6682 .C9 no.2002-5

National Research Council. Ocean Science Committee. (1975).

U.S. directory of marine scientists, 1975. Prepared under the auspices of the Ocean Science Committee, Ocean Affairs Board, Commission on Natural Resources, National Research Council, in cooperation with the National Oceanographic Data Center. Washington, D.C.: National Academy of Sciences.

GC10 .N37 1975

Fiolek, Anna and Jimmie L. Trigg (2004).

U.S. Joint Numerical Weather Prediction Unit: a selected bibliography. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, NOAA Central Library. (*Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division)* ; 2004-2.)

Online Access: http://docs.lib.noaa.gov/rescue/Bibliographies/JNWP_BIB_06_2004.pdf

Z6682 .C9 no.2004-2

Z6682 .C9 no.2004-2 (CD-ROM)

U.S. Navy Geosat altimeter crossover differences from the geodetic mission (1991).

[Washington, D.C.]: National Oceanic and Atmospheric Administration, [National Oceanographic Data Center, 1991.] (*CD-ROM NODC* ; 10-17.)

QB343 .U57 1991 User's guide

QB343 .U57 1991 Discs 1-8

U.S. Navy Geosat altimeter data (GDR's) from the geodetic mission 30° S - 72° S. (1993).

[Washington, D.C.]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, [National Oceanographic Data Center, 1993.] (*NODC CD-ROM* ; 18-19.)

QB343 .U60 1993 Disc 1

QB343 .U60 1993 Disc 2

QB343 .U60 1993 User's guide

TL798.G4A48

U.S. Navy Geosat altimeter data (GDR's) from the geodetic mission 30° S - 72° S. (1995).

[Washington, D.C.]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, [National Oceanographic Data Center.] (*CD-ROM NODC* ; 60-63.)

QB343 .U59 1995 User's guide

QB343 .U59 1995 Discs 1-4

U.S. Navy Geosat altimeter data (T2 GDR's) from the exact repeat mission. (1992).

[Washington, D.C.]: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, [National Oceanographic Data Center] (*CD-ROM NODC* ; 04-09.)

QB343 .U58 1992 Disc 1-6
QB343 .U58 1992 User's guide

U.S. Navy Geosat: enhanced JGM-3 GDRs from the Geodetic & Exact Repeat Missions. (1997).
U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, [National Oceanographic Data Center, Laboratory for Satellite Altimetry]. [Silver Spring, MD: The Laboratory]. (*CD-ROM NODC* ; 73-82.)
QB343 .U63 1997 Disc 1-10
QB343 .U63 1997 Handbook

Dobson, Ella B. (1996).

U.S. Navy Geosat wind/wave data from the geodetic mission, time period, March 31, 1985 - Sept. 30, 1986. Data prepared by Ella B. Dobson ; Geosat designed and built by the Johns Hopkins University, Applied Physics Laboratory. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Oceanographic Data Center. (*CD-ROM NODC* ; 64.)

GC190.2 .U8 1996

GC190.2 .U8 1996 User's guide

GC190.2 .U8 1996 rev.

Upper ocean thermal. (1998).

[Southampton, U.K.: WOCE International Project Office, Data Information Unit ; Silver Spring, MD: Available from the U.S. National Oceanographic Data Center.

GC228.5 .W45 1998 disc 4

Schuyler, Sonja. (1969).

User's guide for NODC's data processing systems. Washington, D.C: U.S. National Oceanographic Data Center.

525.8 U58NODC G-15

National Oceanographic Data Center (U.S.). (1974).

User's guide to NODC's data services. Washington, D.C.: National Oceanographic Data Center. (*Key to oceanographic records documentation* ; no.1.)

Z6004.P6 U52 no.1

The variation of sound velocity and temperature in the Mediterranean and Black Seas: June, 1969. (1969).

Washington, D.C.: National Oceanographic Data Center. (*Underwater Sound Laboratory. Publication* ; 1045.)

525.8:27 U58

The variation of sound velocity and temperature in the North Pacific. (1968).

Washington, D.C.: National Oceanographic Data Center.

QC233 .V3 v.1-3

Velocity profile atlas of the Mediterranean and Black Seas: (composite profiles), June 1969. (1969).

Washington, D.C.: National Oceanographic Data Center, 1969. (*Underwater Sound Laboratory Publication* ; no. 1044-1) ; (*Underwater Sound Laboratory Publication* ; no. 1044-2.)

The Visitor's climatic guide to West Michigan's shore. (1979).

Michigan Sea Grant Advisory Services ; U.S. National Oceanographic Data Center.
QC984 .M59 1979

Kuhn, R. (1967).

Water masses and density stratification: atlas. Washington, D.C.: National Oceanographic Data Center. (*NODC general series. Publication* ; G-9.)
GC1 .U425 G-9 v.1

WOCE current meter data. (1998).

[Southampton, U.K.: WOCE International Project Office, Data Information Unit ; Silver Spring, MD: Available from the U.S. National Oceanographic Data Center.
GC228.5 .W45 1998 disc 7

WOCE Global Data. (1998).

[Southampton, U.K.: WOCE International Project Office, Data Information Unit] ; Silver Spring, MD: Available from the U.S. National Oceanographic Data Center.
GC228.5 .W45 1998
GC228.5 .W45 2000

WOCE sea level data set. (1998).

World Ocean Circulation Experiment, University of Hawaii Sea Level Center, British Oceanographic Data Centre. [Southampton, U.K.: WOCE International Project Office, Data Information Unit ; Silver Spring, MD: Available from the U.S. National Oceanographic Data Center.
GC228.5 .W45 1998 disc 9

WOCE Subsurface Float Data Assembly Center (WFDAC) 1998 CD-ROM. (1998).

World Ocean Circulation Experiment, Woods Hole Oceanographic Institution. [Southampton, U.K.: WOCE International Project Office, Data Information Unit ; Silver Spring, MD: Available from the U.S. National Oceanographic Data Center.
GC228.5 .W45 1998 disc 5

WOCMET, Pacific & Indian basins. (1998).

World Ocean Circulation Experiment, COAPS. [Southampton, U.K.: WOCE International Project Office, Data Information Unit ; Silver Spring, MD: Available from the U.S. National Oceanographic Data Center.
GC228.5 .W45 1998 disc 10

WOCMET, Southern and Atlantic Oceans. (1998).

World Ocean Circulation Experiment, COAPS. [Southampton, U.K.: WOCE International Project Office, Data Information Unit ; Silver Spring, MD: U.S. National Oceanographic Data Center.
GC228.5 .W45 1998 disc 11

WOCMET, surface fluxes. (1998).

World Ocean Circulation Experiment, Florida State University, COAPS. [Southampton, U.K.: WOCE International Project Office, Data Information Unit ; Silver Spring, MD: Available from the U.S. National Oceanographic Data Center.

GC228.5 .W45 1998 disc 12

Levitus, Sydney, editor. (2002).

World ocean atlas 2001: objectively analyzed fields and statistics. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Oceanographic Data Center, Ocean Climate Laboratory. (*Internal report (National Oceanographic Data Center)* ; no. 17); (*CD-ROM NODC*.)

G1046.C1 N3 2001

G1046.C1 N3 2001 manual

Levitus, Sydney, editor. (1994).

World ocean atlas 1994. Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*Informal report (National Oceanographic Data Center)* ; no. 31); (*CD-ROM NODC* ; 43-51.)

G1046.C1 N32 1994 CD-ROM

G1046.C1 N32 1994 (Documentation)

Levitus, Sydney, editor. (1994).

World ocean atlas 1994. CD-ROM data set documentation. Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory.

G1046.C1 N31 1994

Conkright, Margarita E., Levitus, Sydney, Boyer, Timothy P. (1994).

World ocean atlas 1994. Vol. 1, Nutrients. Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 1.).
G1046.C1 N3 no.1

Levitus, Sydney & Boyer, Timothy P. (1994).

World ocean atlas 1994. Vol. 2, Oxygen. Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service , National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 2.).
G1046.C1 N3 no.2

Levitus, Sydney, Burgett, Russell, & Boyer, Timothy P. (1994).

World ocean atlas 1994. Vol. 3, Salinity. Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 3.).
G1046.C1 N3 no.3

Levitus, Sydney and Boyer, Timothy P. (1994).

World ocean atlas 1994. Vol. 4, Temperature. Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 4.).
G1046.C1 N3 no.4

Levitus, Sydney, Boyer, Timothy P., & Antonov, John. (1994).

World ocean atlas 1994. Vol. 5, Interannual variability of upper ocean thermal structure.

Washington, D.C.: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center. (*NOAA atlas NESDIS* ; 5.)

G1046.C1 N3 no.5

World ocean atlas 1998. (1999).

Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service Ocean Climate Laboratory, National Oceanographic Data Center.

G1045.C1 N323 1999

World ocean atlas 1998. Figures. (1999).

Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service Ocean Climate Laboratory, National Oceanographic Data Center.

G1045.C1 N323 1999

World ocean atlas 1998: CD-ROM documentation, version 1. (1999). Washington, D. C.: National Oceanographic Data Center, Ocean Climate Laboratory. (*Internal report (National Oceanographic Data Center)* ; 15)

Online access:

http://docs.lib.noaa.gov/noaa_documents/NESDIS/NODC/NODC_internal_report/NODC_internal-report_15.pdf

G1046.C1 N3231 1999

Antonov, J., Levitus, S., Boyer, T. P., Conkright, M., O'Brien, T., & Stephens, C. (1998).

World ocean atlas 1998. Vol. 1, Temperature of the Atlantic Ocean. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 27.)

G1046.C1 N3 no.27

Antonov, J., Levitus, S., Boyer, T. P., Conkright, M., O'Brien, T. & Stephens, C. (1998).

World ocean atlas 1998. Vol. 2, Temperature of the Pacific Ocean. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service Ocean Climate Laboratory, National Oceanographic Data Center. (*NOAA atlas NESDIS* ; 28.)

G1046.C1 N3 no.28

Antonov, J., Levitus, S., Boyer, T. P., Conkright, M., O'Brien, T., Stephens, C., & Trotsenko, B.

(1998). **World ocean atlas 1998. Vol. 3, Temperature of the Indian Ocean.** Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 29.)

G1046.C1 N3 no.29

Boyer, T. P., Levitus, S., Antonov, J. Conkright, M., O'Brien, T., Stephens, C. (1998).

World ocean atlas 1998. Vol. 4, Salinity of the Atlantic Ocean. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 30.)
G1046.C1 N3 no.30

Boyer, T. P., Levitus, S., Antonov, J., Conkright, M., O'Brien, T., Stephens, C. (1998).

World ocean atlas 1998. Vol. 5, Salinity of the Pacific Ocean. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 31.)
G1046.C1 N3 no.31

Boyer, T. P., Levitus, S., Antonov, J., Conkright, M., O'Brien, T., Stephens, C., Trotsenko, B. (1998).

World ocean atlas 1998. Vol. 6, Salinity of the Indian Ocean. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 32.)
G1046.C1 N3 no.32

O'Brien, T., Levitus, S., Boyer, T. P., Conkright, M., Antonov, J., Stephens, C. (1998).

World ocean atlas 1998. Vol. 7, Oxygen of the Atlantic Ocean. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 33.)
G1046.C1 N3 no.33

O'Brien, T., Levitus, S., Boyer, T. P., Conkright, M., Antonov, J., Stephens, C. (1998).

World ocean atlas 1998. Vol. 8, Oxygen of the Pacific Ocean. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 34.)
G1046.C1 N3 no.34

O'Brien, T., Levitus, S., Boyer, T. P., Conkright, M., Antonov, J., Stephens, C. (1998).

World ocean atlas 1998. Vol. 9, Oxygen of the Pacific Ocean. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 35.)
G1046.C1 N3 no.35

Conkright, M., O'Brien, T., Levitus, S., Boyer, T. P., Antonov, J., Stephens, C. (1998).

World ocean atlas 1998. Vol. 10, Nutrients and Chlorophyll of the Atlantic Ocean. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 36.)
G1046.C1 N3 no.36

Conkright, M., O'Brien, T., Levitus, S., Boyer, T. P., Antonov, J., Stephens, C. (1998).

World ocean atlas 1998. Vol. 11, Nutrients and Chlorophyll of the Pacific Ocean. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 37.)
G1046.C1 N3 no.37

Conkright, M., O'Brien, T., Levitus, S., Boyer, T. P., Antonov, J., Stephens, C. (1998).

World ocean atlas 1998. Vol. 12, Nutrients and Chlorophyll of the Indian Ocean. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 38.)
G1046.C1 N3 no.38

Stephens, C., Antonov, J. I., Boyer, T. P., Conkright, M. E., Locarnini, R. A., O'Brien, T. D., Garcia, H. E. (2002).

World ocean atlas 2001. Vol. 1, Temperature. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 49.)
Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/woa01v1d.pdf> (Documentation)
Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/woa01v1f.pdf> (Figures)
G1046.C1 N3 no.49

Boyer, T. P., Stephens, C., Antonov, J. I., Conkright, M. E., Locarnini, R. A., O'Brien, T. D., Garcia, H. E. (2002).

World ocean atlas 2001. Vol. 2, Salinity. (2002).

Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 50.)
Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/woa01v2d.pdf> (Documentation)
Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/woa01v2f.pdf> (Figures)
G1046.C1 N3 no.50

Locarnini, R. A., O'Brien, T. D., Garcia, H. E., Antonov, J. I., Boyer, T. P., Conkright, M. E., Stephens, C. (2002).

World ocean atlas 2001. Vol. 3, Oxygen. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 51.)
Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/woa01v3d.pdf> (Documentation)

Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/woa1v3f1.pdf> (Figures – dissolved oxygen)

Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/woa1v3f2.pdf> (Figures - percent oxygen saturation)

Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/woa1v3f3.pdf> (Figures - apparent oxygen utilization)

G1046.C1 N3 no.51

Conkright, M. E., Garcia, H. E., O'Brien, T. D., Locarnini, R. A., Boyer, T. P., Stephens, C., Antonov, J. I. (2002).

World ocean atlas 2001. Vol. 4, Nutrients. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 52.) Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/woa01v4d.pdf> (Documentation)

Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/woa1v4f1.pdf> (Figure 1)

Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/woa1v4f2.pdf> (Figure 2)

Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/woa1v4f3.pdf> (Figure 3)

G1046.C1 N3 no.52

O'Brien, T. D., Conkright, M. E., Boyer, T. P., Stephens, C., Antonov, J. I., Locarnini, R. A., Garcia, H. E. (2002).

World ocean atlas 2001. Vol. 5, Plankton. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 53.)

Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/woa01v5d.pdf> (Documentation)

Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/woa01v5f.pdf> (Figures)

G1046.C1 N3 no.53

Conkright, M. E., O'Brien, T. D., Stephens, C., Locarnini, R. A., Garcia, H. E., Boyer, T. P., Antonov, J. I. (2002).

World ocean atlas 2001. Vol. 6, Chlorophyll. (2002).

Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 54.)

Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/woa01v6d.pdf> (Documentation)

Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/woa01v6f.pdf> (Figures)

G1046.C1 N3 no.54

Locarnini, R. A., Mishonov, A. V., Antonov, J. I., Boyer, T. P., & Garcia, H. E. (2006).

World ocean atlas 2005. Vol. 1, Temperature. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 61.)

Online access: ftp://ftp.nodc.noaa.gov/pub/WOA05/DOC/woa05_vol1_text_figures.pdf

G1046.C1 N3 no.61

Antonov, J. I., Locarnini, R. A., Boyer, T. P., Mishonov, A. V., & Garcia, H. E. (2006).

World ocean atlas 2005. Vol. 2, Salinity. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 62.)

Online access: ftp://ftp.nodc.noaa.gov/pub/WOA05/DOC/woa05_vol2_text_figures.pdf

G1046.C1 N3 no.62

Garcia, H. E., Locarnini, R. A., Boyer, T. P., & Antonov, J. I. (2006).

World ocean atlas 2005. Vol. 3, Dissolved oxygen, apparent oxygen utilization, and oxygen saturation. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 63.)
Online access: ftp://ftp.nodc.noaa.gov/pub/WOA05/DOC/woa05_vol3_text_figures.pdf
G1046.C1 N3 no.63

Garcia, H. E., Locarnini, R. A., Boyer, T. P., & Antonov, J. I. (2006).

World ocean atlas 2005. Vol. 4, Nutrients (phosphate, nitrate, silicate). Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 64.)

Online access: ftp://ftp.nodc.noaa.gov/pub/WOA05/DOC/woa05_vol4_text_figures.pdf
G1046.C1 N3 no.64

Locarnini, R. A., Mishonov, A. V., Antonov, J. I., Boyer, T. P., Garcia, H. E., Baranova, O.K., Zweng, M. M., Paver, C. R., Reagan, J. R., Johnson, D. R., Hamilton, M., & Seidov, D. (2013).

World Ocean Atlas 2013 Vol. 1: Temperature. Sydney Levitus (ed.), Alexey Mishonov (technical ed.). Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA Atlas NESDIS* ; 73). publication doi:10.7289/V55X26VD, dataset doi:10.7289/V5F769GT

Online Access:

http://docs.lib.noaa.gov/noaa_documents/NESDIS/NODC/NOAA_Atlas_NESDIS/NOAA_Atlas_NESDIS_73.pdf

G2801.C7 W6 no.73

Zweng, M. M., Reagan, J. R., Antonov, J. I., Locarnini, R. A., Mishonov, A. V., Boyer, T. P., Garcia, H. E., Baranova, O. K., Johnson, D. R., Seidov, D., & Biddle, M. M. (2013).

World Ocean Atlas Vol. 2: Salinity S. Levitus (ed.), A. Mishonov (technical ed.). Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 74). publication doi:10.7289/V55X26VD, dataset doi:10.7289/V5F769GT

Online Access:

http://docs.lib.noaa.gov/noaa_documents/NESDIS/NODC/NOAA_Atlas_NESDIS/NOAA_Atlas_NESDIS_74.pdf

G1046.C1 N3 no.74

Garcia, H. E., Locarnini, R. A., Boyer, T. P, Antonov, J. I., Mishonov, A. V., Baranova, O. K., Zweng, M. M., Reagan, J. R., & Johnson, D. R. (2013).

World Ocean Atlas 2013. Vol. 3: Dissolved Oxygen, Apparent Oxygen Utilization, and Oxygen Saturation. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 75). publication doi:10.7289/V55X26VD, dataset doi:10.7289/V5F769GT

Online access:

http://docs.lib.noaa.gov/noaa_documents/NESDIS/NODC/NOAA_Atlas_NESDIS/NOAA_Atlas_NESDIS_75.pdf

G1046.C1 N3 no.75

Garcia, H. E., Locarnini, R. A., Boyer, T. P., Antonov, J. I., Mishonov, A. V., Baranova, O. K., Zweng, M. M., Reagan, J. R., & Johnson, D. R. (2013).

World Ocean Atlas 2013. Vol. 4: Dissolved Inorganic Nutrients (phosphate, nitrate, silicate)

Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 76). publication doi:10.7289/V55X26VD, dataset doi:10.7289/V5F769GT

Online access:

http://docs.lib.noaa.gov/noaa_documents/NESDIS/NODC/NOAA_Atlas_NESDIS/NOAA_Atlas_NESDIS_76.pdf

G1046.C1 N3 no.76

World Ocean Circulation Experiment. Data Information Unit. (1998).

World Ocean Circulation Experiment satellite data CD-ROM. World Ocean Circulation Experiment, Florida State University, NASA, Physical Oceanography DAAC. [Southampton, U.K.: WOCE International Project Office, Data Information Unit ; Silver Spring, MD: Available from the U.S. National Oceanographic Data Center.

GC228.5 .W45 1998 disc 13

National Oceanographic Data Center (U.S.). Ocean Climate Laboratory. (1998).

World ocean database 1998. 5 CD-ROMs. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. Version 2.0 of WOD98 was released January 2000. (*NOAA atlas NESDIS*.)

G1046.C1 N3 no.18-21a CD-ROM

G1046.C1 N34 1998 Documentation

Levitus, S., Boyer, T. P., Conkright, M. E., O'Brien, T., Antonov, J., Stephens, C., Stathoplos, L., Johnson, D., & Gelfeld, R. (1998).

World ocean database, 1998. Vol. 1, Introduction. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 18)

G1046.C1 N3 no.18

Levitus, S., Boyer, T. P., Conkright, M. E., Johnson, D., O'Brien, T., Antonov, J., Stephens, C., & Gelfeld, R. (1998).

World ocean database, 1998. Vol. 2, Temporal Distribution of Mechanical Bathythermograph Profiles. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 19)

G1046.C1 N3 no.19

Boyer, T. P., Antonov, J., Levitus, S., Conkright, M. E., O'Brien, T., Stephens, C., Johnson, D., & Gelfeld, R. (1998).

World ocean database, 1998. Vol. 3, Temporal Distribution of Expendable Bathythermograph Profiles. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric

Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 20)
G1046.C1 N3 no.20

Boyer, T. P., Conkright, M. E., Levitus, S., Stephens, C., O'Brien, T., Johnson, D., & Gelfeld, R. (1998).

World ocean database, 1998. Vol. 4, Temporal Distribution of Conductivity/Salinity-Temperature-Depth. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 21)
G1046.C1 N3 no.21

Boyer, T. P., Conkright, M. E., Levitus, S., Stephens, C., O'Brien, T., Johnson, D., & Gelfeld, R. (1998).

World ocean database, 1998. Vol. 5, Temporal Distribution of Station Data Temperature and Salinity Profiles. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory, 1998. (*NOAA atlas NESDIS* ; 22)
G1046.C1 N3 no.22

Conkright, M. E., Boyer, T. P., Levitus, S., Stephens, C., O'Brien, T., Johnson, D., & Gelfeld, R. (1998).

World ocean database, 1998. Vol. 6, Temporal Distribution of Station Data Nutrient Profiles. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory, 1998. (*NOAA atlas NESDIS* ; 23)
G1046.C1 N3 no.23

O'Brien, Conkright, M. E., Boyer, T. P., Levitus, S., Stephens, C., Johnson, D., & Gelfeld, R. (1998).

World ocean database, 1998. Vol. 7, Temporal Distribution of Station Data Oxygen, pH, and Alkalinity Profiles. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 24)
G1046.C1 N3 no.24

Conkright, M. E., O'Brien, T., Stathoplos, L., Stephens, C., Boyer, T. P., Johnson, D., Levitus, S., & Gelfeld, B. (1998).

World ocean database, 1998. Vol. 8, Temporal Distribution of Station Data Chlorophyll and Plankton Profiles. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 25)
G1046.C1 N3 no.25

Conkright, M. E., Levitus, S., O'Brien, T., Boyer, T. P., Stephens, C., Johnson, D., Baranova, O., Antonov, J., Gelfeld, R., & Forgy, C. (1998).

World ocean database 1998: CD-ROM data set documentation. ver. 2.0. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory.

(Internal report (National Oceanographic Data Center); 14)

G1046.C1 N35 1998

Online access:

ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/NODC_Internal_Rpt_14.pdf

Conkright, M. E., Antonov, J. I., Baranova, O., Boyer, T. P., Garcia, H. E., Gelfeld, R., Johnson, D., Locarnini, R. A., Murphy, P. P., O'Brien, T., Smolyar, I., Stephens, C. (2002).

World ocean database 2001.Vol. 1, Introduction. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 42)

Online access: ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/wod01_1.pdf

G1046.C1 N3 no.42

Boyer, T. P., Conkright, M. E., Antonov, J. I., Baranova, O., Garcia, H. E., Gelfeld, R., Johnson, D., Locarnini, R. A., Murphy, P. P., O'Brien, T., Smolyar, I., Stephens, C. (2002).

World ocean database 2001.Vol. 2, Temporal Distribution of Bathythermograph Profiles. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 43)

Online access: ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/wod01_2.pdf

G1046.C1 N3 no.43

Stephens, C., Conkright, M. E., Antonov, J. I., Baranova, O., Garcia, H. E., Gelfeld, R., Johnson, D., Locarnini, R. A., Murphy, P. P., O'Brien, T., Smolyar, I. (2002).

World ocean database 2001.Vol. 3, Temporal Distribution of Conductivity/Salinity-Temperature-Depth (Pressure) Casts. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 44)

Online access: ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/wod01_3.pdf

G1046.C1 N3 no.44

Locarnini, R. A., Conkright, M. E., Antonov, J. I., Baranova, O., Boyer, T. P., Garcia, H. E., Gelfeld, R., Johnson, D., Murphy, P. P., O'Brien, T., Smolyar, I., Stephens, C. (2002).

World ocean database 2001.Vol. 4, Temporal Distribution of Temperature, Salinity and Oxygen Profiles. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 45)

Online access: ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/wod01_4.pdf

G1046.C1 N3 no.45

Conkright, M. E., Boyer, T. P., Antonov, J. I., Baranova, O. K., Garcia, H. E., Gelfeld, R., Johnson, D., Locarnini, R. A., Murphy, P. P., O'Brien, T. D., Smolyar, I., Stephens, C. (2002).

World ocean database 2001.Vol. 5, Temporal Distribution of Nutrient Profiles. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 46)

Online access: ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/wod01_5.pdf

G1046.C1 N3 no.46

Murphy, P. P., Conkright, M. E., Boyer, T. P., Antonov, J. I., Baranova, O. K., Garcia, H. E., Gelfeld, R., Johnson, D., Locarnini, R. A., O'Brien, T. D., Smolyar, I., Stephens, C. (2002).

World ocean database 2001.Vol. 6, Temporal Distribution of pH, Alkalinity, pCO₂ and tCO₂

Data. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 47)

Online access: ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/wod01_6.pdf

G1046.C1 N3 no.47

O'Brien, T. D., Conkright, M. E., Boyer, T. P., Antonov, J. I., Baranova, O. K., Garcia, H. E., Gelfeld, R. Johnson, D., Locarnini, R. A., Murphy, P. P., Smolyar, I. (2002).

World ocean database 2001.Vol. 7, Temporal Distribution of Chlorophyll and Plankton Data.

Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA atlas NESDIS* ; 48)

Online access: ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/wod01_6.pdf

G1046.C1 N3 no.48

Conkright, M. E., O'Brien, T., Boyer, T. P., Stephens, C., Locarnini, R. A., Garcia, H. E., Murphy, P. P., Johnson, D., Baranova, O. K., Antonov, J. I., Gelfeld, R., Burney, J., Tatusko, R., Gelfeld, R., Smolyar, I. (2002).

World Ocean Database 2001 CD-ROM Data Set Documentation. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NODC Internal Report* ; 16)

Online access:

ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/NODC_Internal_Rpt_16.pdf

Boyer, T. P., Antonov, J. I., Garcia, H. E., Johnson, D. R., Locarnini, R. A., Mishonov, A. V., Pitcher, M. T., Baranova, O. K., & Smolyar, I. (2006).

World ocean database 2005. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory, 2006. (*NOAA atlas NESDIS*)

Online access: ftp://ftp.nodc.noaa.gov/pub/WOD05/DOC/wod05_intro.pdf

G1046.C1 N3 no.60

Johnson, Daphne R., Garcia, Hernan E. & Boyer, Tim P. (2006).

World ocean database 2005 tutorial. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*Internal report (National Oceanographic Data Center (U.S.)* ; 19)

Online access: ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/WOD05/DOC/wod05_tutorial.pdf

Johnson, D. R., Boyer, T. P., Garcia, H. E., Locarnini, R. A., Mishonov, A. V., Pitcher, M. T., Baranova, O. K., Antonov, J. I., & Smolyar, I. V. (2006).

World ocean database 2005 documentation. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information

Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*Internal report (National Oceanographic Data Center (U.S.)* ; 18)

Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/WOD05/DOC/wod05readme.pdf>

Johnson, Daphne R., Boyer, Tim P., Garcia, Hernan E. (2009).

World ocean database 2009 tutorial. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*Internal report (National Oceanographic Data Center (U.S.)* ; 21)

Online access: ftp://ftp.nodc.noaa.gov/pub/WOD09/DOC/wod09_tutorial.pdf

Johnson, Daphne R., Garcia, Hernan E., Boyer, Tim P., Locarnini, R. A., Baranova, O. K., & Zweng, M. M. (2009).

World ocean database 2009 documentation. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*Internal report (National Oceanographic Data Center (U.S.)* ; 20)

Online access: <ftp://ftp.nodc.noaa.gov/pub/WOD09/DOC/wod09readme.pdf>

Boyer, T. P., Antonov, J. I., Baranova, O. K., Garcia, H. E., Johnson, D. R., Locarnini, R. A., Mishonov, A. V., Seidov, D., Smolyar, I. V., & Zweng, M. M. (2009).

World Ocean Database 2009, Chapter 1: Introduction. Ed. S. Levitus. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA Atlas NESDIS* ; 66).

Online access: ftp://ftp.nodc.noaa.gov/pub/WOD09/DOC/wod09_intro.pdf

Boyer, T. P., Antonov, J. I., Baranova, O. K., Coleman, C., Garcia, H.E., Grodsky, A., Johson, D. R., Locarnini, R. A., Mishonov, A. V., O'Brien, T. D., Paver, C. R., Reagan, J. R., Seidov, D., Smolyar, I. V., & Zweng, M. M. (2013).

World Ocean Database 2013. Sydney Levitus (Ed.). Alexey Mishonov (Technical Ed.). Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*NOAA Atlas NESDIS*; 72.) doi:10.7289/V5NZ85MT (publication)

Online Access:

http://docs.lib.noaa.gov/noaa_documents/NESDIS/NODC/NOAA_Atlas_NESDIS/NOAA_Atlas_NESDIS_72.pdf

G1046.C1 N3 no.72

Johnson, D. R., Boyer, T. P., Garcia, H. E., Locarnini, R. A., Baranova, O. K., & Zweng, M. M. (2013).

World Ocean Database 2013 User's Manual, Version 2.0. Sydney Levitus (Ed.). Alexey Mishonov (Technical Ed.). Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*Internal Report (National Oceanographic Data Center (U.S.)* ; 22.) doi:10.7289/V5CF9N1Q

Online Access:

http://docs.lib.noaa.gov/noaa_documents/NESDIS/NODC/NODC_internal_report/NODC_internal-report_22_ver2.0.pdf

G2801.C7 N35 no.22

Johnson, D. R., Garcia, H. E., & Boyer, T. P. (2013).

World Ocean Database Tutorial. Sydner Levitus (Ed.). Alexey Mishonov (Technical Ed.). Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data and Information Service, National Oceanographic Data Center, Ocean Climate Laboratory. (*Internal Report (National Oceanographic Data Center (U.S.)* ; 23).

doi:10.7289/V58P5XFC

Online Access:

http://docs.lib.noaa.gov/noaa_documents/NESDIS/NODC/NODC_internal_report/NODC_internal-report_23.pdf

G2801.C7 N35 no.23

Fiolek, Anna and Kelly, Kathleen A. (2009).

The Year of Darwin 2009: Discovering Darwin at NOAA Central Library: Resources on Charles Darwin, Evolution, and the Galapagos Islands: A Selected Bibliography. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental, Satellite, Data, and Information Service, National Oceanographic Data Center, NOAA Central Library. (*Current references (National Oceanographic Data Center (U.S.). Library and Information Services Division)* ; 2009-1.)

Online access: <http://www.lib.noaa.gov/researchtools/subjectguides/darwinbib.pdf>

Levitus, S., Stephens, C., Antonov, J., & Boyer, T. P. (2000).

Yearly and year-season upper ocean temperature anomaly fields, 1948-1998. Washington, D.C.: U.S. G.P.O. (*NOAA atlas NESDIS* ; 40.)

Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/nedis40.pdf>

G1046.C1 N3 no.40

Markhaseva, E. L., Golikov, A. A., Agapova, T. A., Beig, A. A., & Smolyar, I. (2002).

Zooplankton of the Arctic Seas 2002. (2002).

Laboratory of Marine Research, Zoological Institute, Russian Academy of Sciences ; World Data Center for Oceanography, Ocean Climate Laboratory, NODC/NESDIS/NOAA. [Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration]. (*International ocean atlas and information series* ; v. 6.) ; (CD-ROM NODC ; 161).

QL123 .Z67 2002



NOAA

NATIONAL OCEANOGRAPHIC
DATA CENTER (**NODC**)
UNITED STATES DEPARTMENT OF COMMERCE



III. Internet Resources and Products Developed in NODC

This section includes alphabetically listed websites, home pages, and database portals developed by the NODC staff. All entries listed below have been accessed and viewed during month of May 2015.

2008 NOAA Extreme Weather Information Sheet (NEWIS). Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.ncddc.noaa.gov/activities/noaa-extreme-weather-information-sheet-newis/view>
“NOAA's National Coastal Data Development Center (NCDDC) produces the NOAA Extreme Weather Information Sheet (NEWIS) each year for the Atlantic hurricane season. It provides coastal residents with a “one stop” ready reference containing important contact phone numbers and internet web sites for emergency information in the state and local area. NCDDC produces one unique NEWIS product for each of the states of Texas, Louisiana, Mississippi, and Alabama. Currently, NCDDC divides Florida into four different Gulf Coast NEWIS sections, due to its large coastal area.”

Aquaculture Information Center. Silver Spring, MD: U.S. Dept. of Commerce, NOAA, NESDIS, National Oceanographic Data Center, Library and Information Services Division.

Online access: <http://www.lib.noaa.gov/docqua/frontpage.htm>

Archived Deepwater Horizon Data – Ocean Archive System. Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/cgi-bin/OAS/prd/acquisition/query/reports/dwh/all>

Arctic Regional Climatology. Silver Spring, MD: National Oceanographic Data Center, Ocean Climate Laboratory.

Online access: http://www.nodc.noaa.gov/OC5/regional_climate/arctic/

“The Arctic Ocean is an area of intense activity both for environmental and commercial interests. Climate change has disproportionately affected this region with rising ocean temperatures and continued loss of summer sea ice extent. Oil and mineral exploration and exploitation are occurring and intensifying. To facilitate study of the region, NODC Regional Climatology Team^{1,2} developed a new set of high-resolution long-term mean surface/subsurface temperature and salinity fields. These mean fields incorporate a great deal of data not previously available.”

Biology data. Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/General/biology.html>

Brown Bag Seminar series. (1994-present).

Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: <http://www.lib.noaa.gov/about/news/brownbagseminars.html>

Bulletin of the United States Fish Commission. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access:

http://docs.lib.noaa.gov/rescue/Fish_Commission_Bulletins/data_rescue_fish_commission_bulletins.html

“This site provides access to the Bulletin of the United States Fish Commission from 1881 to 1998 in PDF format.”

Chlorophyll data. Silver Spring, MD: National Oceanographic Data Center.
Online access: <http://www.nodc.noaa.gov/General/chloro.html>

Belter C.

Climate Engineering Publications Available in Web of Science (1988-2011). Silver Spring, MD:

National Oceanographic Data Center, Library and Information Services Division.

Online access: http://www.lib.noaa.gov/researchtools/subjectguides/climate_engineering.html

Online access (PDF):

http://www.lib.noaa.gov/researchtools/subjectguides/climate_engineering_bibliography.pdf

Climatological Atlas of the Nordic Seas and Northern North Atlantic. Silver Spring, MD: National Oceanographic Data Center, Ocean Climate Laboratory.

Online access: <http://www.nodc.noaa.gov/OC5/nordic-seas/>

“This Atlas is a result of an international collaboration between the Arctic and Antarctic Research Institute (Russia), Geophysical Institute, University of Bergen (Norway), and the National Oceanographic Data Center (USA). The Atlas is based on data collected from more than 500,000 stations between the years 1900 and 2012. It contains decadal, periodic, annual and monthly climatological fields for water temperature, salinity, and density on a 0.25-degree grid at different depths. In addition to the climatological maps, time-depth diagrams of all parameters, including oxygen, at twelve selected areas covered by long-term observational programs, are available.”

Climatology Products for the Deepwater Horizon Incident. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.nodc.noaa.gov/General/DeepwaterHorizon/climatology.html>

Theberge, Albert E., Jr. (2007).

The Coast Survey 1807-1867: volume I of the history of the Commissioned Corps of the National Oceanic and Atmospheric Administration. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: <http://www.lib.noaa.gov/noaainfo/heritage/coastsurveyvol1/CONTENTS.html>

Coastal ecosystem Maps – Gulf of Mexico. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.ncddc.noaa.gov/interactive-maps/coastal-habitats/gom-coastal-habitat/>

“The Coastal Ecosystem Maps - Gulf of Mexico mapping application provides online access to Gulf of Mexico Fisheries data, thanks to a joint effort between NOAA's National Coastal Data Development Center and [NOAA's National Marine Fisheries Service](#). This map combines fish habitat information with marine fishery species distribution for analysis in the Gulf of Mexico. It uses scale-dependent drawing extensively to control visualization of human impact, physical oceanographic, baseline, and particularly habitat type data. The application makes species distributions available based upon common name, category (such as life-stage cycle), activity stage (commercial, recreational, spawning), and time period of interest.”

Coastal Risk Atlas (CRA). Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.ncddc.noaa.gov/cra>

“The Coastal Risk Atlas (CRA) project goals aim at aiding hurricane preparedness efforts by providing the data and methodology necessary to conduct vulnerability assessments for the coastal United States.”

Coastal Studies, Information & Data for the Ecosystem -C-SIDE. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://ecowatch.ncddc.noaa.gov/c-side>

“NOAA's National Coastal Data Development Center (NCDDC) created the Coastal Science, Information and Data for the Ecosystem (C-SIDE) as a comprehensive storm information center with information about severe weather preparation and monitoring across the Gulf of Mexico coastal region. C-SIDE provides tropical advisories and weather alerts along the major evacuation routes. In addition, C-SIDE provides links to local, state, and national websites that have important information before, during, and after a severe weather event.”

Coral Reef Temperature Anomaly Database (CoRTAD). Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/SatelliteData/Cortad/>

“The CoRTAD contains a collection of sea surface temperature (SST) and related thermal stress metrics, developed specifically for coral reef ecosystem applications but relevant to other ecosystems as well. The CoRTAD contains global, approximately 4 km resolution SST data on a weekly time scale from 1982 through 2008 (Version 2). In addition to SST, it contains SST anomaly (SSTA, weekly SST minus weekly climatological SST), thermal stress anomaly (TSA, weekly SST minus the maximum weekly climatological SST), SSTA Degree Heating Week (SSTA_DHW, sum of previous 12 weeks when SSTA is greater than or equal to 1 degree C), SSTA Frequency (number of times over previous 52 weeks that SSTA is greater than or equal to 1 degree C), TSA DHW (TSA_DHW, also known as a Degree Heating Week, sum of previous 12 weeks when TSA is greater than or equal to 1 degree C), and TSA Frequency (number of times over previous 52 weeks that TSA is greater than or equal to 1 degree C).”

CoRIS: NOAA’s Coral Reef Information System. Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://coris.noaa.gov/>

“NOAA's Coral Reef Information System (CoRIS) is designed to be a single point of access to NOAA coral reef information and data products, especially those derived from NOAA's Coral Reef Conservation Program.”

Data in the Classroom. Silver Spring, MD: NOAA Ocean Data Education (NODE).

Online access: <http://datainthe阶级room.org/>

“*Data in the Classroom* is an online resource for K-12 teachers interested in using real scientific data in their teaching. This Web site is the current home of the [NOAA Ocean Data Education \(NODE\) Project](#), which is creating curriculum and online tools that demonstrate the use of real-time data.”

Data sets & products: World Ocean Atlas select (WOAselect). Silver Spring, MD: National Oceanographic Data Center, Ocean Climate Laboratory.

Online access: <http://www.nodc.noaa.gov/OC5/SELECT/woaselect/woaselect.html>

“The WOAselect is a selection tool in which the user can designate a geographic area, depth, and oceanographic variable to view climatological means or related statistics for the given variable at the requested depth for the requested geographic area. The source data for the climatological means and statistics is the World Ocean Atlas 2005 ([WOA05](#)).

The user may also download the data for the requested geographic area and variable for all depths in a comma separated value (csv) ASCII format or a shape file format which is compatible with GIS software such as ArcMap. Information about the formats is available at [format description](#) page.”

Data sets & products: World Ocean Database and World Ocean Atlas series. Silver Spring, MD: National Oceanographic Data Center, Ocean Climate Laboratory.

Online access: <http://www.nodc.noaa.gov/OC5/indprod.html>

Databases and article searching. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: <http://www.lib.noaa.gov/researchtools/journals/databases.html>

Deepwater Horizon Response Data Atlas. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: http://www.ncddc.noaa.gov/website/google_maps/DWHAAtlas/mapsAtlas.htm

Deepwater Horizon Support: Aircraft and Other Platform Data. Silver Spring, MD: National Oceanographic Data Center.

Online access: http://www.nodc.noaa.gov/General/DeepwaterHorizon/aircraft_unidentified.html

Deepwater Horizon Support: Fisheries Information. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.nodc.noaa.gov/General/DeepwaterHorizon/fisheries.html>

Deepwater Horizon Support: Glider and Float Data. Silver Spring, MD: National Oceanographic Data Center.

Online access: http://www.nodc.noaa.gov/deepwaterhorizon/glider_float.html

Deepwater Horizon Support: Joint Analysis Group. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.ncddc.noaa.gov/activities/healthy-oceans/jag/>

Deepwater Horizon Support: Regional Products. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.nodc.noaa.gov/General/DeepwaterHorizon/regional.html>

Deepwater Horizon Support: Satellite data. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.nodc.noaa.gov/General/DeepwaterHorizon/satellite.html>

Deepwater Horizon Support: Ship Data. Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/General/DeepwaterHorizon/ships.html>

Deepwater Horizon Support: Special Collections. Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/General/DeepwaterHorizon/specialcollections.html>

Schmidt, Thomas, Linda Pikula.

Dry Tortugas Virtual Library. Miami, FL: National Oceanographic Data Center, Library and Information Services Division, NOAA Miami Regional Library.

Online access: <http://www.aoml.noaa.gov/general/lib/Regional/DryTortugas/drytort.html>

This database covers the Dry Tortugas National Park, seven small islands located 110km west of Key West, Florida in the eastern Gulf of Mexico (view [location map](#)). A broad range of marine and terrestrial topics are covered, including vegetation, marine algae, invertebrates, sea water composition, and geology. The bibliographic references contained in this database are primarily dated from 1875 to 2005.

E-Reference materials. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: <http://www.lib.noaa.gov/refservices/refshelf.html>

Earth System Monitor. (1990-present).

Silver Spring, MD: National Oceanographic Data Center, 1990-present.

Online access: <http://www.nodc.noaa.gov/General/NODCPubs/ESM/esm.html>

“The Earth System Monitor is a free quarterly bulletin that reports on NOAA environmental data and information programs, projects, and activities.”

East Asian Seas Regional Climatology. Silver Spring, MD: National Oceanographic Data Center, Ocean Climate Laboratory.

Online access: http://www.nodc.noaa.gov/OC5/regional_climate/KPRclimatology/

“The [National Oceanographic Data Center](#) (USA) and the [National Fisheries Research and Development Institute](#)* (Republic of Korea) are pleased to release the first version of a set of temperature and salinity climatological mean fields for the East Asian Seas Regional Climatology. The user may view or download individual temperature or salinity climatological mean files or tar files of both climatological mean fields and related statistics.”

EcoWatch Data Services. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.ncddc.noaa.gov/activities/healthy-oceans/ecowatch/> “

Gulf of Mexico Data Discovery Portal

Customizable Data Access Portal

Ecosystem Data Assembly Center (EDAC). Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.northerngulfinstitute.org/edac/>

“The NOAA National Coastal Data Development Center ([NCDDC](#)), a division of the National Ocean Data Center (NODC), and the Northern Gulf Institute established the Ecosystems Data Assembly Center (EDAC) in July 2006. Serving as a developmental data site for NCDDC, the EDAC also directly supports the ecosystem-focused, Gulf of Mexico science mission of the NGI. NCDDC and NGI created the cyber-infrastructure of EDAC to provide access to ecosystem-related observations, data bases and ocean forecast output relevant in and around the Gulf of Mexico and elsewhere. This information (available to scientists, resource managers and the general public via the EDAC) supports research helping to increase the understanding of the unique physical, biological, and chemical characteristics of Gulf of Mexico Regional Ecosystems.”

Ecosystem Goal Team (EGT) and Ecosystem Observation Program (EOP). Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.ncddc.noaa.gov/activities/egt-eop/view>

“Ecosystem Goal Team (EGT) and Ecosystem Observation Program (EOP) support NOAA's goal to

protect, restore and manage the use of coastal and ocean resources through an ecosystem approach to management.”

Electronic journals. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: <http://www.lib.noaa.gov/researchtools/journals/ejournals.html>

“Access to over 1000 full-text electronic journals, provided by EBSCO A-Z Title Listing service, available for NOAA staff served by the NOAA Central Library. Titles which the library only receives in print are listed in the NOAA Libraries' Catalog.”

Fisheries Heritage Digital Collection. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: http://www.lib.noaa.gov/collections/imgdocmaps/fisheries_heritage.html

“This digital collection was made possible by NOAA's National Marine Sanctuary Program Historical Ecology program as part of their effort to research and analyze historical records that document changes in the condition of fish populations and ecosystems within national marine sanctuaries. This research requires extracting and tabulating relevant information from historical maps, fishing logbooks, fish catch and market records, as well as narratives of fishermen that describe the past conditions of fisheries and the marine environment. The records of the U.S. Fish Commission, the legacy agency of NOAA and the National Marine Fisheries Service, provide detailed information on environmental conditions observed by scientists in the late 19th century. The survey logbooks of the Commissions research vessels, for instance, contain historical atmospheric and oceanographic conditions, classify seafloor sediments, and inventory what scientists caught in their sampling nets and dredges in the late-19th and early-20th centuries. Digital images are in PDF, JPEG, or TIFF formats.

Flower Garden Banks National Marine Sanctuary (NMS) Maps. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.ncddc.noaa.gov/interactive-maps/coastal-habitats/flower-garden-banks/>

“The Flower Garden Banks National Marine Sanctuary (NMS) Maps application uses ESRI's ArcGIS server technology to integrate data and imagery into a user-friendly interface. The map was created in partnership with NOAA's National Marine Sanctuaries program. The Flower Garden Banks NMS is the only marine sanctuary located in the Gulf of Mexico. Our interactive map allows users to view sanctuary data, photographs, and shaded relief, along with reference data that includes buoys, artificial reefs, and climatology.”

Foreign climate data. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: http://docs.lib.noaa.gov/rescue/data_rescue_home.html

George Washington Carver and Tuskegee weather data. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access:

http://docs.lib.noaa.gov/rescue/gw_carver_tuskegee/data_rescue_tuskegee_observations.html

“Observations for Nov. 1899-May 1900, and July 1900-Jan. 1932 made and entered by George Washington Carver; subsequent observers include J. R. Otis, J. R. Mundy, David C. Carter, Emile N. Hooker, J.R. Munday, H. J. Romm, J. C. Moore, I.T. Hardeman, J.W. Burney, D. Atkins and B. D. Mayberry.”

GIN Seas Regional Climatology. Silver Spring, MD: National Oceanographic Data Center, Ocean Climate Laboratory.

Online access: http://www.nodc.noaa.gov/OC5/regional_climate/gin-seas-climate/

Global Argo Data Repository (GADR). Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/argo/>

Online access (Data): <http://www.nodc.noaa.gov/argo/accessData.htm>

“The Global Argo Data Repository (GADR) serves the Argo data in the new GADR netCDF format (GADR-3.0) using lowercase letters for the dimension and variable names and still preserving the contents of the original Argo data. The enhancement of the global attributes section allow Argo dataset discovery and facilitate mapping between dataset metadata (notably netCDF) and ISO 19115. These conventions identify and define a list of NetCDF global attributes recommended for describing a NetCDF dataset to discovery systems such as Digital Libraries. Software tools will use these attributes for extracting metadata from datasets, and exporting to Dublin Core, DIF, ADN, FGDC, ISO 19115 etc. metadata formats.”

Global Ocean Heat and Salt Content. Silver Spring, MD: National Oceanographic Data Center.

Online access: http://www.nodc.noaa.gov/OC5/3M_HEAT_CONTENT/

“Data distribution figures for temperature and salinity observations, temperature and salinity anomaly fields for depths 0-2000m, heat content and steric sea level (thermosteric, halosteric, total). Temperature anomalies and heat content fields are detailed in World Ocean Heat Content and Thermosteric Sea Level change (0-2000 m), 1955-2010, [pdf](#) (8.1 MB). The same calculations have been extended to keep the fields current and include fields of salinity anomalies, and steric sea level components. Explanation of differences in heat content between published work and online values is outlined in the [notes](#) (pdf, 4.2 MB).”

Global Temperature-Salinity Profile Program (GTSPP). Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/GTSPP/>

“The Global Climate Observing System (GCOS) recognizes the Global Temperature and Salinity Profile Programme (GTSPP) as one of the international operational activities that provide essential, sub-surface climate variables of temperature and salinity profile data. GTSPP provides timely and complete data with documented quality flags and implements internationally agreed quality control and overall management of ocean data fully in accordance with the GCOS action plan.”

Government Documents: Government Information and the Federal Depository Library Program (FDLP). Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: <http://www.lib.noaa.gov/collections/gov/gov.html>

“The NOAA Central Library (NCL) has been a selective depository library for U.S. government publications distributed through the U.S. Federal Depository Library Program since 1993 (About the FDLP). The NCL depository selects federal publications in a variety of formats on NOAA-related subjects to support the library's mission of providing scientific, technical and legislative information services to NOAA employees. More specifically the depository collects publications on oceanography, atmospheric sciences, meteorology, coastal zone management, fisheries, satellites, minerals management and environmental sciences as well as congressional documents covering these subjects. Cartographic materials such as NOAA nautical charts, U.S. Geological Survey maps and Federal Aviation Administration aeronautical charts are also received through the FDLP program. The depository materials are available to other federal, industry, and academic users as well as the general public.”

Government Maps and Charts. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: <http://www.lib.noaa.gov/collections/gov/govdocmaps.html>

Gulf of Mexico Data Atlas. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://gulfatlas.noaa.gov/>

“Based on the idea of a traditional atlas but offered via the Internet by NOAA, the Gulf of Mexico Data Atlas provides answers to questions related to the physical environment, marine resources, and economic activity in the Gulf of Mexico. Information is presented in the form of map plates with descriptions, written by recognized subject matter experts, explaining how the data were gathered and how they are relevant. The Gulf of Mexico Data Atlas has data from federal, state, non-governmental agencies, and academia.”

Gulf of Mexico Historical Data and Information. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.nodc.noaa.gov/General/gulfmex.html>

Gulf of Mexico Hypoxia Watch. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.ncddc.noaa.gov/hypoxia/>

“The Gulf of Mexico Hypoxia Watch evolved as a cooperative project among the National Oceanic and Atmospheric Administration's (NOAA's) National Marine Fisheries Service - [NMFS](#), the National Coastal Data Development Center (NCDDC), and the CoastWatch - [Caribbean/Gulf of Mexico](#) - Regional Node.”

Gulf of Mexico Marine Debris Project. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.ncddc.noaa.gov/activities/healthy-oceans/marine-debris/>

“The Gulf of Mexico Marine Debris Project responds to the severe damage Hurricane Katrina inflicted on the Gulf of Mexico coastal region.”

Gulf of Mexico Regional Climatology. Silver Spring, MD: National Oceanographic Data Center, Ocean Climate Laboratory.

Online access: http://www.nodc.noaa.gov/OC5/regional_climate/GOMclimatology/

“A set of mean fields for temperature and salinity for the Gulf of Mexico are available for viewing and download.”

Harmful Algal BloomS Observing System (HABSOS). Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://habsos.noaa.gov/>

Online access <http://www.ncddc.noaa.gov/interactive-maps/environmental-monitoring/habsos/>

“HABSOS is a data collection and distribution system for harmful algal bloom (HAB) information in the Gulf of Mexico. The goal of HABSOS is to provide environmental managers, scientists, and the public with a data driven resource for HAB events. Cell counts and environmental information are combined into a single product and distributed on a map powered by ArcGIS. HABSOS strives to provide the most accurate picture of harmful algal bloom location and quantity by using the latest sample data available.”

Heat Content 2004. Silver Spring, MD: National Oceanographic Data Center.

Online access: http://www.nodc.noaa.gov/OC5/DATA_ANALYSIS/heat_intro.html

Manuscript in PDF: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/grlheat05.pdf>
“Data distribution figures, temperature anomaly fields, and heat content fields associated with “Warming of the World Ocean: 1955-2003”, Levitus, Antonov, and Boyer. Published in: Geophysical Research Letters.”

Hypoxia Watch. Stennis Space Center, MS: National Coastal Data Development Center. Online access: <http://www.ncddc.noaa.gov/interactive-maps/environmental-monitoring/hypoxia/>

“The Gulf of Mexico Hypoxia Watch evolved as a cooperative project among the National Oceanic and Atmospheric Administration's (NOAA's) National Marine Fisheries Service (NMFS), National Centers for Environmental Information at Stennis (NCEI), and the CoastWatch-Caribbean/Gulf of Mexico Regional Node. Hypoxia Watch provides near-real-time data and map products using shipboard measurements of bottom-dissolved oxygen. These products form the basis for summertime advisories on anoxic and hypoxic conditions in the north-central Gulf of Mexico. This map provides a near-real-time, geospatially referenced view of dissolved oxygen measurements made during the annual summer Gulf of Mexico Southeastern Monitoring and Assessment Program (SEAMAP) cruise in the northwest and north-central Gulf of Mexico.”

Interactive Maps. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.ncddc.noaa.gov/interactive-maps/>

Fiolek, Anna.

International Polar Year 2007-2008: polar resources in the NOAA Library Network [home page].

Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: <http://www.lib.noaa.gov/collections/ipy.html>

“The NOAA Historical Polar Research Collection home page has been prepared to support the Agency's and NOAA Central Library (NCL) activities during International Polar Year 2007-2008. It displays the NCL network's unique online resources on exploration and research in Polar Regions. The collection includes selected library holdings from the 1st (1881-1883) through the 3rd (1957-1958) International Polar Years. This Web site offers full-text access to unique polar documents in the NOAA Library collections. Over two hundred of the listed documents are linked to previously scanned historically significant publications online. These documents are also accessible via the Polar Bibliography:

International Polar Year 2007-2008: Resources on Polar Research in the NOAA Central Library Network: a Selected Bibliography published online under LISD Current Reference Series 2006-1 (Updated as of September 2008) and is available to the international community via the NOAA Central Library Bibliography's home page and its online catalog NOAALINC. In addition, over 2000 digital images on polar aspects from the NOAA Photo Library and NOAA Polar Posters are here also available.”

Joint Analysis Group. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.ncddc.noaa.gov/activities/healthy-oceans/jag/>

Joint Archive for Sea Level. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.ncddc.noaa.gov/activities/climate/jasl/index.html>

Online access (Hawaii): <http://uhslc.soest.hawaii.edu/home>

“The Joint Archive for Sea Level (JASL) is a collaborative arrangement between the National Oceanographic Data Center (NODC), the World Data Center (WDC-SS) for Oceanography, Silver Spring, and the University of Hawaii Sea Level Center (UHSLC). Beginning in the Fall of 2000, the JASL is supported by the new NOAA National Coastal Data Development Center (NCDDC). The JASL is responsible for the collaborative archive referred to as the Research Quality Data Set.”

Joint Archive for Shipboard Acoustic Doppler Current Profiler (JASADCP). Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.nodc.noaa.gov/General/adcp.html>

“Joint Archive for Shipboard Acoustic Doppler Current Profiler (JASADCP) acquires, reviews, documents, archives, and distributes ocean current shipboard ADCP data sets. The NODC established the [Joint Archive for Shipboard ADCP](#) (JASADCP) at the University of Hawaii for the acquisition, review, documentation, archival, and distribution of shipboard ADCP data sets. The activities are overseen by the NODC liaison, Pat Caldwell, and the locality takes advantage of close proximity to the ADCP and Common Oceanographic Data Analysis System (CODAS) experts of the E.Firing ADCP Laboratory.”

Long Term Stewardship and Reanalysis Facility (LTSRF). Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/SatelliteData/ghrsst/>

“Long Term Stewardship and Reanalysis Facility (LTSRF) for the Group for High Resolution SST (GHRSST), is routinely delivering individual as well as multi-sensor blended SST products with high accuracy and fine spatial resolution.”

Marine Metadata Interoperability Project (MMI). Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <https://marinemetadata.org/>

“Marine Metadata Interoperability (MMI) makes marine data easier to advertise, distribute, reuse, and combine with other data sets. Marine Metadata Interoperability (MMI) project's mission seeks to promote the exchange, integration and use of marine data through enhanced data publishing, discovery, documentation and accessibility. As its goal, Marine Metadata Interoperability promotes collaborative research in the marine science domain by simplifying the incredibly complex world of metadata into specific, straightforward guidance. MMI hopes to encourage scientists and data managers at all levels to apply good metadata practices from the start of a project by providing the best advice and resources for data management. MMI is also developing web applications and stand-alone tools to enable sophisticated interactions across marine data systems. National Coastal Data Development Center (NCDDC) Scientist Julie Bosch is a member of the MMI Steering Committee.”

Kelly, Kathleen A.

Marine Protected Areas Research Guide. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, NOAA Central Library.

Online access: http://www.lib.noaa.gov/researchtools/subjectguides/mpa_research_guide.html

MERMid. Stennis Space Center, MS: National Coastal Data Development Center.

Online access:

<http://www.ncddc.noaa.gov/metadata-standards/mermaid/>

“Data and information about the coastal environment is more diverse and is distributed among a larger number of sources than traditional oceanographic data. This fact makes a single physical repository for all coastal data impractical. NOAA created the National Coastal Data Development Center (NCDDC) to provide access to this diverse and distributed data.”

Metadata Standards. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.ncddc.noaa.gov/metadata-standards/>

NCDDC works closely with the broader metadata community and standards organizations in the development of these standards; and to provide assistance in the implementation of diverse metadata standards for local, state and national organizations as needed.

Monthly Weather Review. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: http://docs.lib.noaa.gov/rescue/mwr/data_rescue_monthly_weather_review.html

"The Monthly weather review first began publication in July 1872. It was issued by the Office of the Chief Signal Officer from 1872 until 1891. In 1891 the duties of the Signal Office transferred to the new Weather Bureau where the *Review* was published until June 1966. From Aug. 1966-Oct. 1970, it was published by the United States Environmental Science Services Administration. When the Bureau became part of the newly-formed National Oceanic and Atmospheric Administration, the *Review* was published by NOAA until the end of 1973. In 1974 publication was turned over to the American Meteorological Society which continues publishing it as a subscription. The Weather Bureau published the *Monthly weather review. Supplement* irregularly from 1914 to 1949. The Bureau never published no. 43."

Monthly Weather Review Author and Subject Index, 1873-1935. Silver Spring, MD: National Oceanographic Data Center, NOAA Central Library.

Online access: <http://www.lib.noaa.gov/researchtools/subjectguides/mwr/mwrindex.html>

The *Monthly Weather Review Author and Subject Index 1873-1935* is based on the *Monthly Weather Review* index to volumes 1-63, and supplements 1-35, covering the period 1873-1935. Samuel Baig of the New York Public Library compiled this index for the Weather Bureau in 3 typewritten volumes; the volumes are cataloged in the library's Rare Books collection. These three volumes hold the key to the voluminous information contained in the *Monthly Weather Review* and are much more comprehensive than an author-article table of contents. The index originally was comprised of both subject matter and authors in one alphabetical master index. The NOAA Central Library transcribed these volumes and separated them into two sub-indices: an author index and a subject matter index. These indices greatly enhance the usefulness of the *Monthly Weather Review* as they refer not only to articles, but in many instances to material contained within various articles such as location of specific tornadoes and other weather phenomena, reference to various types of equipment, individuals mentioned within articles, etc. These indices will be of value to modern meteorologists in tracing the evolution of various instruments and techniques, climatologists in researching various historical weather events, historians of meteorological science, and those who are looking for the sheer enjoyment of reading great weather stories.

National Centers for Environmental Information (NCEI). (2015).

Formerly the National Oceanographic Data Center (NODC), <http://www.nodc.noaa.gov/>

Online access: <http://ncei.noaa.gov/> (NCEI official home page).

"The demand for high-value environmental data and information has dramatically increased in recent years. NCEI is designed to improve NOAA's ability to meet that demand. The Consolidated and Further Continuing Appropriations Act, 2015, Public Law 113-235, approved the consolidation of NOAA's existing three National Data Centers: the National Climatic Data Center, the National Geophysical Data Center, and the National Oceanographic Data Center into the National Centers for Environmental Information."

National Operational Model Archive and Distribution System (NOMADS). Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.ncddc.noaa.gov/activities/nomads/view>

“NOAA's National Operational Model Archive and Distribution System (NOMADS) provides both real-time and retrospective format independent access to climate and weather model data within a web-services project. NOMADS comprises a network of data servers using established and emerging technologies to access and integrate model and other data stored in geographically distributed repositories in heterogeneous formats. NOMADS enable the sharing and inter-comparing of model results and represents a major collaborative effort, spanning multiple government agencies and academic institutions.”

NCDDC Public Website. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.ncddc.noaa.gov/>

“NCDDC is a major component of the National Oceanographic Data Center (NODC). NCDDC, NODC, and the NOAA Central Library are integrated to provide access to the world's most comprehensive sources of marine environmental data and information. NCDDC has two major divisions, Information Technology Operations and Science Programs.”

NCEI InformationOne-pagers. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.ncddc.noaa.gov/about-ncddc/publications/>

“These publications are one-pagers about a variety of activities at NCEI at Stennis. Additional publications are available from [NCEI at Silver Spring](#).”

Theberge, Albert E., Jr.

NOAA Browser: Organization via Web pages. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: <http://www.lib.noaa.gov/noainfo/browser/browse1.html>

“This browser provides direct links to over 500 NOAA science, policy, and administrative Web pages. It is meant to help NOAA personnel, personnel from other Government agencies, and the general public navigate their way through the many NOAA web sites. The NOAA Browser is organized in a hierarchical manner that reflects NOAA's organization. In general, NOAA's organizational units follow the same structure: main (line) component, office, laboratory or division, branch, and down to programs and projects. The NOAA Browser also covers the NOAA organizations which operate in a matrix (cross-program) environment.

A second purpose of the NOAA Browser is to help interested individuals explore NOAA. NOAA's areas of responsibility extend from the sun through the atmosphere, from the coastal ocean to the abyss, and from the surface to the center of the earth. There are many wonderful web sites that have been built by NOAA personnel to describe their work and scientific endeavors in this vast realm. The Browser can help navigate through the nooks and crannies of NOAA's realm.”

NOAA Central Library and Information Network Catalog (NOAALINC). Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: <http://www.lib.noaa.gov/uhtbin/webcat/>

NOAA Central Library home page. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: <http://www.lib.noaa.gov/>

“The NOAA Central Library, located in Silver Spring, Maryland, and its libraries at the Atlantic Oceanographic and Meteorological Laboratory (Miami), National Hurricane Center/Tropical Prediction Center (Miami), Western Regional Center (Seattle), and Camp Springs (Maryland), provide information and research support to NOAA staff and the public. The library also networks with over 30 NOAA libraries across the nation. Disciplines covered include weather and atmospheric sciences, oceanography,

ocean engineering, nautical charting, marine ecology, marine resources, ecosystems, coastal studies, aeronomy, geodesy, cartography, mathematics and statistics.”

NOAA Central Library Journal Subscription List. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: <http://www.lib.noaa.gov/researchtools/journals/journals.html>

"This listing contains all of the journals and magazines currently subscribed to by the NOAA Central Library. It also contains some open access journals on topics of interest to NOAA. Access to the full text of hundreds of additional journals is available through the library's subscriptions to the [Wiley Online Library](#), [JSTOR](#), [EconLit](#), [Hein Online](#), and [Lexis.com](#). Over 6,000 additional journals are available through the [Directory of Open Access Journals](#)."

NOAA Extreme Weather Information Sheets. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.ncddc.noaa.gov/activities/weather-ready-nation/newis/>

"NOAA's National Coastal Data Development Center (NCDDC) produces the NOAA Extreme Weather Information Sheets (NEWIS). Published each year for the Atlantic hurricane season, the NOAA Extreme Weather Information Sheets provide critical information for contacting government officials and monitoring information resources. The laminated and waterproof NOAA Extreme Weather Information Sheets are an ideal reference in the home, automobile, or boat. NOAA Extreme Weather Information Sheets provide residents with a "one-stop" ready reference containing phone numbers and Web site information residents can use during potentially life-threatening weather emergencies."

NOAA Habitat Restoration Monitoring. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.ncddc.noaa.gov/interactive-maps/environmental-monitoring/noharm/>

"The NOAA Habitat Restoration Monitoring (NOHARM) map combines Google Maps technology with ESRI's ArcGIS Server and ArcIMS products to create a comprehensive resource for monitoring and assessment of the coastal habitat. The National Oceanic and Atmospheric Administration (NOAA), National Marine Fisheries (NMFS), and the National Centers for Environmental Information at Stennis teamed to develop the NOAA Habitat Restoration Monitoring (NOHARM) website. Data presented there are part of an experimental approach to monitoring selected NOAA-sponsored restoration projects. The initial focus is on projects funded by the Coastal Wetlands Planning, Protection, and Restoration Act (CWPPRA)."

NOAA heritage. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: <http://www.lib.noaa.gov/noainfo/heritage/heritage.html>

Theberge, Albert E., Jr., & Janet Ward.

NOAA history: a science odyssey. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: <http://www.history.noaa.gov/>

NOAA Libraries and Information Network directory. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: http://www.lib.noaa.gov/about/lib_network.html

"This directory contains addresses, telephone numbers, web sites, hours, and personnel names on NOAA libraries. NOAA staff should use their nearest line office library and can contact the NOAA Central

Library in Maryland if they do not know which one this is. A brief description of each library's collection is included below.”

NOAA Library and Information Network Catalog (NOAALINC). Powered by Sirsi/Dynix. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.
Online access: <http://www.lib.noaa.gov/uhtbin/webcat/>

NOAA Marine Environmental Buoy Database. Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/BUOY/buoy.html>

“The NOAA Marine Environmental Buoy Database (NODC File 291) is one of the largest and most frequently used data archives maintained by the NODC. This database holds wind, wave, and other marine data collected by the NOAA National Data Buoy Center (NDBC). The data are collected from NDBC moored buoys and from C-MAN (Coastal-Marine Automated Network) stations located on piers, offshore towers, lighthouses, and beaches. Parameters reported by both buoys and C-MAN stations include air temperature and pressure, wind speed and direction, wind gust, and sea surface temperature. The buoys (and a few C-MAN stations located on offshore towers) also report wave data, usually including wave height, wave period, and wave spectra. Since the late 1980s some buoys have reported directional wave spectra. NODC receives the data from NDBC on a monthly basis, generally 2-3 weeks after the last observation from the given month, and makes them available online.”

NOAA newsletters. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: <http://www.lib.noaa.gov/noainfo/newsletters.html>

“The following list contains periodic, sporadic, and one-issue newsletters from around NOAA. These newsletters showcase in NOAA happenings, news, stories, and items of general interest. Some of these newsletters are technically oriented, some are industry specific, some are chatty and contain information on local personnel and happenings, and some, such as *Consequences*, contain information of value to a much wider outside community. Taken as a whole, these newsletters provide insight into the daily operations and concerns of the NOAA community and its constituents.”

Theberge, Albert E., Jr., Ward, Janet.

NOAA Photo Library. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: <http://www.photolib.noaa.gov/>

The NOAA Photo Library has been built so as to capture the work, observations, and studies that are carried on by the scientists, engineers, commissioned officers, and administrative personnel that make up this complex and scientifically diverse agency. It also has been built in an attempt to capture NOAA's scientific heritage, which is in fact a heritage shared by much of the physical and environmental science communities in the United States today. To date, over 35,000 images have been digitized and reside in the online NOAA Photo Library. This number will continue growing as long as there are environmental problems to study and solve, as long as the citizens of the United States are threatened by violent weather, as long as mariners need nautical charts, and as long as creatures of the sea need our protection to survive. Until then, you are invited to join NOAA in this photographic essay that spans the World's oceans and atmosphere, carries you from the surface of the sun to the bottom of the sea, and travels through centuries of scientific thought and observations.”

NOAA publication sources. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: <http://www.lib.noaa.gov/noainfo/pubsources.html>

The Website contains links to various NOAA organizations that distribute data and publications.

NOAA's collection of rare 19th century oceanography books. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division, in collaboration with National Ocean Service, Special Programs Office.

Online access: <http://celebrating200years.noaa.gov/rarebooks/welcome.html>

"This collection features 19th century rare books that are part of the larger NOAA Central Library Rare Book Room and which capture the spirit and accomplishments of the formative years of oceanography. The volumes are diverse, including official accounts and results of oceanographic cruises, descriptions of traditional and new technologies, personal reminiscences, the first English-language textbook of oceanography, and even a German-language volume selected for the beauty of its presentation, as much as for its content. Many of the authors were among the "founding fathers" of modern oceanography."

NOAA's Office of Ocean Exploration and Research. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.ncddc.noaa.gov/oer/>

"The Ocean Exploration and Research data management project provides a unique end-to-end system for OER sponsored expeditions, thus ensuring data and information discovery, access and archival for perpetuity. Poised to build on a rich legacy of undersea exploration, discovery, and research, NOAA's Office of Ocean Exploration and Research (OER) builds from the merger of two unique NOAA programs – NOAA's Undersea Research Program (NURP) and the Office of Ocean Exploration (OE). The office will provide NOAA and the Nation with a unique capability to discover and investigate new ocean areas and phenomena, conduct the basic research required to capitalize on discoveries, and to seamlessly disseminate data and information-rich products to a multitude of users. In response to recommendations within the Report of the President's Panel on Ocean Exploration (2001, .pdf, 2.54 MB) for NOAA to establish a broad-based data management task force, The National Oceanographic Data Center led the formation of an Integrated Product Team (IPT). The Team took form in partnership with OE, other NOAA and non-NOAA partners, and has provided a framework for exploration data management since 2002. This resulted in the development of several Data Management tools, some of which provide extensible functions to other applications."

NOAA-Wide and Open Access Databases and E-Journals. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: <http://www.lib.noaa.gov/researchtools/journals/noaawide.html>

NODC 4 km AVHRR Pathfinder Project. Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/SatelliteData/pathfinder4km/>

"The NOAA National Oceanographic Data Center (NODC) is pleased to release the AVHRR Pathfinder Version 5.2 (PFV52) sea surface temperature data set. This new version of Pathfinder includes substantial updates to the data format, content, and metadata. While previous versions of Pathfinder, including V5.0 and V5.0, were in HDF-SDS format, the new Version 5.2 is in CF-compliant netCDF-4, conforming to [GHSST Data Specification Version 2 \(GDS2.0\)](#)."

NODC CD-ROM & DVD products. Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/General/NODC-cdrom.html>

NODC Coastal Water Temperature Guide (CWTG). Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/dsdt/cwtg/>

Online access (CWTG handout in PDF): http://www.nodc.noaa.gov/dsdt/cwtg/CWTG_handout.pdf

“The water temperatures in the NODC Coastal Water Temperature Guide (CWTG) are near real-time temperatures from NOAA's National Ocean Service (NOS) tidal stations and Physical Oceanographic Real-Time System (PORTS®) and most recent (within the past six hours) temperatures from NOAA's National Data Buoy Center (NDBC) moored buoys. In addition to near real-time water temperatures, the CWTG tables also include average water temperatures computed from long-period records ranging from several years to several decades depending on how long observations have been taken at a given station. Temperature tables (except Hawaii, Alaska, and Pacific Islands table) were originally created in the early 1980s by former NODC meteorologist Richard M. DeAngelis. Hawaii, Alaska, and Pacific Islands table values are based on NOAA/NOS publication "Surface Water Temperature and Density, Pacific Coast, North and South America & Pacific Ocean Islands." Although ocean conditions vary from year to year, water temperatures are less variable than air temperatures, so these averages can provide useful information for planning beach activities such as swimming or fishing. For the Gulf coast, only monthly averages are presented. Water temperatures vary more along the Atlantic and Pacific coasts of the United States, so for these stations two-week averages are presented from April through October. Clicking on the hyperlinked "Recent Temperatures" in the table will display time series plots of the last few hours of NOS Water Temperature data for the tide station, or will go to the NDBC Buoy Page for the location.”

NODC formats & codes. Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/General/NODC-datafmts.html>

“Table of the principal NODC data storage (or data output) formats and codes. Some may be quite old, but are listed here because they can still be obtained in these formats. This list covers only data stored in the NODC archive databases; it does not include formats for all NODC data collections on CD-ROM, DVD, or other various online projects. [CD-ROM/DVD datasets](#) and online projects are described in documentation files included with each data product.”

NODC – National Oceanographic Data center home page. Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/index.html>

“The National Oceanographic Data Center is a national repository and dissemination facility for global oceanographic data which acquires and preserves a historical record of the Earth's changing environment to be used for operational applications and ocean climate research.

NODC is an organization made up of the National Oceanographic Data Center, National Coastal Data Development Center, World Data Center for Oceanography, and the NOAA Central Library which are integrated to provide access to the world's most comprehensive sources of marine environmental data and information.”

NODC Ocean Archive System (OAS). Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/search/prod/>

Online access: <http://data.nodc.noaa.gov/geoportal/catalog/search/search.page> (Search OAS)

NODC Ocean Color Archive. Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/SatelliteData/OceanColor/>

“This site contains an overview of the NOAA archive services being provided for Level 2 (L2) ocean color products generated by the [CoastWatch program](#). CoastWatch is an operational NOAA program that processes near real-time satellite data and makes it available to a variety of users in order to manage U.S. coastal resources and understand climate variability. CoastWatch currently produces near real-time ocean color products from multiple platforms. These include Level 1A (L1A) data from the Sea-viewing Wide

Field-of-view Sensor (SeaWiFS) on board NASA/GeoEye's OrbView-2 satellite, and L2 data from SeaWiFS, the Moderate Resolution Imaging Spectroradiometer (MODIS) on board the NASA Aqua and Terra satellites, and the Medium Resolution Imaging Spectroradiometer (MERIS) on board the European Space Agency's (ESA) Envisat platform."

NODC publications (Public Outreach). Silver Spring, MD: National Oceanographic Data Center.
Online access: <http://www.nodc.noaa.gov/General/NODCPubs/>

NODC Support for the Deepwater Horizon Incident. Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/General/DeepwaterHorizon/support.html>

NODC Time Series Database (TSDB). Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/tsdb/>

"The Marine Data Stewardship Division of the National Oceanographic Data Center begun a project for developing a prototype time series database (TSDB). The primary objective of this project is to integrate coastal ocean time series observations from a variety of instruments with different resolution, accuracy and response to spatial and temporal variability into a common database."

Northern Gulf Institute (NGI). Stennis Space Center, MS: National Coastal Data Development Center.
Online access: <http://www.northerngulfinstitute.org/>

"The Northern Gulf Institute stands as a NOAA Cooperative Institute, created to develop and maintain a center of excellence in research relevant to the Northern Gulf of Mexico Region."

Nutrients data. Silver Spring, MD: National Oceanographic Data Center.
Online access: <http://www.nodc.noaa.gov/General/nutrients.html>

Ocean Climate Laboratory products. Silver Spring, MD: National Oceanographic Data Center, Ocean Climate Laboratory.

Online access: <http://www.nodc.noaa.gov/OC5/indprod.html#inter>

This site lists "World ocean database", "World ocean atlas", and "International ocean atlas and information" series, products developed by the NODC Ocean Climate Laboratory staff.

Ocean currents. Silver Spring, MD: National Oceanographic Data Center.
Online access: <http://www.nodc.noaa.gov/General/current.html>

Ocean Currents Data in the Gulf of Mexico. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.nodc.noaa.gov/General/DeepwaterHorizon/oceancurrents.html>

Belter, Chris, Mary Lou Cumberpatch.

Ocean Exploration and Research bibliography. Silver Spring, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Environmental Satellite, Data, and Information Service, National Oceanographic Data Center, NOAA Central Library.

Online access: http://www.lib.noaa.gov/researchtools/subjectguides/oer_bibliography.html NOAA's [Office of Ocean Exploration and Research](#) has funded multiple [Ocean Explorer explorations](#) since 2001. The Office of Ocean Exploration and Research also maintains an interactive [Digital Atlas](#) of all of the cruises sponsored by the Ocean Explorer program. The data gathered on these expeditions has resulted in the publication of over 400 peer-reviewed journal articles, reviews, and notes.

Ocean Exploration Digital Atlas. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: http://www.ncddc.noaa.gov/website/google_maps/OE/mapsOE.htm

Includes selected data from NOAA's Ocean Exploration expeditions from 2001-present

Ocean FAQs. Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/about/faq.html>

Ocean In Situ Data: Deepwater Horizon Support. Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/General/DeepwaterHorizon/oceanprofile.html>

Ocean profile data. Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/General/profile.html>

Oceanographic data at NODC. Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/General/getdata.html>

Oceanography Education Activities at NODC. Lesson Plan contribution to the Digital Library for Earth System Education (DELESE) system. Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/SatelliteData/Education/>

OceanNOMADS. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://ecowatch.ncddc.noaa.gov/OceanNOMADS>

The NOAA Operational Model Archive and Distribution System - ([NOMADS](#)), provides distributed, web-service access for real-time and retrospective, format-independent climate and weather model data and related datasets. NOAA NCDDC, with partners including National Weather Service National Centers for Environmental Prediction (NCEP) and the Northern Gulf Institute, has created this NOMADS node for ocean-model access, called OceanNOMADS. This site provides retrospective access to long timeseries of output from mature ocean modeling and prediction systems, including models from NOAA's National Weather Service (NWS) and the U.S. Navy. Long-term archival of selected model fields is done at NOAA's National Oceanographic Data Center. A developmental version of the [OceanNOMADS](#) capability developed under the NGI Ecosystem Data Assembly Center (EDAC) project continues to offer data access and analysis-tool development as well as access to newer NOAA and Navy ocean prediction capabilities, with a geographic focus on the Gulf of Mexico.

Office of Ocean and Coastal Resource Management (OCRM). Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://oceanservice.noaa.gov/programs/ocrm/>

"NOAA's Office of Ocean and Coastal Resource Management (OCRM) provides national leadership, strategic direction, and guidance to state and territory coastal programs and estuarine research reserves. The Office of Ocean and Coastal Resource Management's (OCRM) six divisions oversee a number of programs that assist states in managing, preserving, and developing their marine and coastal resources. OCRM activities include working with states and territories to conserve and protect coral reefs, operate a system of National Estuarine Research Reserves, and implement the National Coastal Zone Management Program, as well as developing a system of marine protected areas. NOAA's National Coastal Data Development Center (NCDDC) has partnered with OCRM and hosts a custom content type."

OneNOAA Science Discussion Seminars. Silver Spring, MD: National Oceanographic Data Center.
Online access: <http://www.nodc.noaa.gov/General/NODC-About/Outreach/>

Oxygen data. Silver Spring, MD: National Oceanographic Data Center.
Online access: <http://www.nodc.noaa.gov/General/oxygen.html>

OXYGEN/AOU Content (1955-1998). Silver Spring, MD: National Oceanographic Data Center, Ocean Climate Laboratory.

Online access: http://www.nodc.noaa.gov/OC5/DATA_ANALYSIS/oxy_intro.html

Online access: ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/O2_04GL0.pdf (Manuscript)
“Data distribution figures, anomaly, and climatological oxygen/AOU fields associated with "On the variability of dissolved oxygen and apparent oxygen utilization content for the upper world ocean: 1955 to 1998" by Hernan E. Garcia, T.P Boyer, S. Levitus, R. A. Locarnini, and J.I. Antonov published in *Geophysical Research Letters*.”

Pacific Region Integrated Data Enterprise (PRIDE). Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://apdrc.soest.hawaii.edu/PRIDE/>

“Advance NOAA's mission objectives and meet critical regional needs for ocean, climate and ecosystem information to protect lives and property, support economic development and enhance the resilience of Pacific Island communities in the face of changing environmental conditions. Developed in partnership with the National Oceanographic Data Center.”

Pacific Islands Climate Change Virtual Library. Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://docs.lib.noaa.gov/vlib/PICCP/>

Phytoplankton Monitoring Network. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.ncddc.noaa.gov/interactive-maps/environmental-monitoring/pmn/>

“As a NOAA-sponsored outreach program, the Phytoplankton Monitoring Network (PMN) teaches students, teachers, and the general public about phytoplankton and harmful algal blooms. Volunteers sample various sites along the coasts of many different states, from Hawaii to Massachusetts, and in the U.S. Virgin Islands. This interactive map provides access to information collected by the [Phytoplankton Monitoring Network](#) volunteers. Map users can access data from 2001 through the present. The map also allows the user to create queries to derive specific information on 40 different species of phytoplankton.”

Plankton data. Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/General/plankton.html>

Publication summary of the NODC Ocean Climate Laboratory, 1982-2015. Silver Spring, MD:

National Oceanographic Data Center, Ocean Climate Laboratory.

Online access: <http://www.nodc.noaa.gov/OC5/indpub.html>

List all peer reviewed journal articles, reports, scientific papers, and atlases by the NODC Ocean Climate Laboratory staff from 1982 through present.

Fiolek, Anna.

Resources on TIROS and Satellite Meteorology: NOAA Central Library Network: TIROS I – 50th Anniversary of the First Weather Satellite. Home page developed by Anna Fiolek. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division, NOAA Central Library. Online access: <http://www.lib.noaa.gov/collections/TIROS/tiros.html> The [NOAA Central Library \(NCL\)](#) developed this website to mark [NOAA's](#) celebration of the 50th Anniversary of TIROS I, the first meteorological satellite, launched on April 1, 1960. The website gives a short history of TIROS I and offers a selection of links to significant resources highlighting environmental satellites, satellite meteorology, and related educational websites. In a separate section on [Historical Resources on TIROS I and Satellite Meteorology in the NOAA Libraries Network](#) over 300 unique documents from the 1950s to the present are offered online. These full text documents are also accessible online via the [TIROS Bibliography](#) published as *LISD Current Reference Series* 2007-1 (Updated as of September 2009). In addition a [Photo and Video Gallery](#) offers a selection of digital videos and over 530 still images on TIROS and various aspects of satellite meteorology. The images originate from the [NOAA in Space](#) digital image album which is part of the [NOAA Photo Library](#).

Salinity Anomalies (1955-1998). Silver Spring, MD: National Oceanographic Data Center.

Online access: http://www.nodc.noaa.gov/OC5/DATA_ANALYSIS/sal_intro.html

Online access: ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/DATA_ANALYSIS/PDF/saltrend.pdf (manuscript)

"Data distribution figures, salinity climatologies, and salinity anomaly fields associated with "Linear trends in salinity for the World Ocean 1955-1998" by Timothy P. Boyer, S. Levitus, J.I. Antonov, R.A. Locarnini, and H.E. Garcia. Published in: *Geophysical Research Letters.*"

Salinity data. Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/General/salinity.html>

Satellite data. Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/General/satellite.html>

Satellite oceanography at NODC. Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/SatelliteData/>

"The primary goal of the NODC satellite group is to provide scientific stewardship of satellite-derived oceanographic datasets and analyses. The group pursues this goal by developing consistently-processed, satellite-based climate data records and applying them to various scientific problems. The satellite group at NODC focuses on three of the key functions of satellite data stewardship: (1) Generating authoritative long-term records through satellite data reprocessing efforts; (2) Using those climate data records to place the current state of the environment in its proper historical perspective; and (3) Insuring the data are properly archived and easily accessed by a wide range of users."

Science and Technology Enterprise. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.ncddc.noaa.gov/activities/science-technology/>

Science and Technology Enterprise. Data Management Best Practices. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.ncddc.noaa.gov/activities/science-technology/data-management/>

Science and Technology Enterprise. Digital Atlas Portal. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.ncddc.noaa.gov/activities/science-technology/digital-atlas/>

Science and Technology Enterprise. Okeanos Explorer Ship Tracker Map. Stennis Space Center, MS: National Coastal Data Development Center.

Online access: <http://www.ncddc.noaa.gov/activities/science-technology/okeanos/>
<http://www.ncddc.noaa.gov/activities/protected-species/view>

Sea level data. Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/General/sealevel.html>

Shipboard Sensor Database (SSD). Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/ssd/>

“The U.S. National Oceanographic Data Center (NODC) periodically receives a standard suite of shipboard sensor data (also known as underway data) from each NOAA ship with the Scientific Computer System (SCS). These data include measurements of salinity and temperature from thermosalinographs, bottom depth, wind speed and direction, atmospheric temperature, pressure and humidity, position and date/time. The NODC archives, quality-controls, and loads these data into the Shipboard Sensor Database (SSD), which may be queried by date, position, and data type, and from which data may be downloaded. The SCS was developed by NOAA Marine and Aviation Operations to acquire data from a ship's meteorological, oceanographic, fishery, and navigational sensors and to provide these data to scientists in real time. The NOAA ships shown above and below are currently equipped with the SCS.

Subject guides and bibliographies: the NOAA Library and Information Services Division 'Current REference Series.' Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: <http://www.lib.noaa.gov/researchtools/subjectguides/bibliographies.html>

Temperature data. Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/General/temperature.html>

U.S. Army Signal Corps/Weather Bureau annual reports, 1861-1942. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: http://docs.lib.noaa.gov/rescue/cso/data_rescue_signal_corps_annual_reports.html

U.S. Coast and Geodetic Survey annual reports. Silver Spring, MD: National Oceanographic Data Center, NOAA Central Library.

Online access: http://docs.lib.noaa.gov/rescue/cgs/data_rescue_cgs_annual_reports.html

“This site provides access to the annual reports of the Coast and Geodetic Survey from 1852 to 1950 in PDF format. The Library also provides access to the Coast and Geodetic Survey annual reports, 1844-1910: bibliography. This bibliography provides author and subject access to the articles found in the appendices to the reports, as well as notes on the history and functions of the Survey. The Library makes the bibliography available online at <http://www.lib.noaa.gov/researchtools/subjectguides/cgsreports.html>.

U.S. Coast and Geodetic Survey special reports. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: http://docs.lib.noaa.gov/rescue/cgs_specpubs/data_rescue_cgs_specpubs.html

“This site provides online access to the Special Publications of the Coast and Geodetic Survey that were published from 1898 to 1956 in PDF format. “

U.S. Daily Weather Maps Project. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: http://docs.lib.noaa.gov/rescue/dwm/data_rescue_daily_weather_maps.html

"This site provides access to historical daily weather maps from 1871 thru 2002. To see weather maps for 2003-present go to: <http://www.wpc.ncep.noaa.gov/dwm/dwm.shtml>"

United States Fish Commission annual reports. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: http://docs.lib.noaa.gov/rescue/cof/data_rescue_fish_commission_annual_reports.html

"This site provides access to the annual reports of the United States Fish Commission, also known as the United States Fish and Fisheries Commission, from 1871 to 1940 in PDF format."

Virtual Libraries. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: http://www.lib.noaa.gov/collections/virtual_libs/virtual_libraries.html

"NOAA Central Library provides content management support to several Virtual Library Projects at NOAA."

Waves. Silver Spring, MD: National Oceanographic Data Center.

Online access: <http://www.nodc.noaa.gov/General/wave.html>

Weather and Climate Sites. Silver Spring, MD: National Oceanographic Data Center, NOAA Central Library.

Online access: <http://www.lib.noaa.gov/researchtools/subjectguides/weathersites.html>

Why the weather? Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: <http://docs.lib.noaa.gov/rescue/whytheweather/whytheweather.html>

"Charles Franklin Brooks, the founder and Secretary of the American Meteorological Society, composed daily public service announcements for the Science Service beginning in May 1923. These daily meteorological miscellany were also authored by Charles Fitzhugh Talman (1927-1935) and Alfred H. Thiessen (1938-1941). The essays were designed to present meteorology to the general public, by radio and newspapers, using clear and simple explanations of weather facts, phenomena and proverbs. "Beware of weather proverbs," wrote Brooks on May 28, 1923, "or better still, pick the true ones and throw aside those which have not been proved..." such as, "Thunder does not sour milk!" The NOAA Central Library maintains a set of these mimeographed sheets beginning with No. 1, May 1923, and continuing through April 1941."

WINDandSEA: the oceanic and atmospheric sciences Internet guide. Silver Spring, MD: National Oceanographic Data Center, Library and Information Services Division.

Online access: <http://www.lib.noaa.gov/researchtools/subjectguides/wind/windandsea.html>

"This Internet Guide was built in response to the many reference questions that are posed to the library and is meant to make Internet searching more efficient for the NOAA community, the academic community, other government agencies concerned with oceanic and atmospheric issues, and the general public. Presently WINDandSEA has over 1,000 selected links to science and policy sites organized by topic and alphabetically within topic. All of these sites have been reviewed and annotated by NOAA Central Library and NOAA Regional Libraries staff."

World Ocean Atlas 2009: data sets & products. Silver Spring, MD: National Oceanographic Data Center, Ocean Climate Laboratory.

Online access: http://www.nodc.noaa.gov/OC5/WOA09/pr_woa09.html

“World Ocean Atlas 2009 (WOA09) is a set of objectively analyzed (1° grid) climatological fields of in situ temperature, salinity, dissolved oxygen, Apparent Oxygen Utilization (AOU), percent oxygen saturation, phosphate, silicate, and nitrate at standard depth levels for annual, seasonal, and monthly compositing periods for the World Ocean. It also includes associated statistical fields of observed oceanographic profile data interpolated to standard depth levels on both 1° and 5° grids.”

World Ocean Atlas 2013. Silver Spring, MD: National Oceanographic Data Center, Ocean Climate Laboratory. doi:10.7289/V55X26VD (publication); doi:10.7289/V5F769GT (dataset)

Online access: <http://www.nodc.noaa.gov/OC5/woa13/>

“World Ocean Atlas 2013 (WOA13) is a set of objectively analyzed (1° grid) climatological fields of in situ temperature, salinity, dissolved oxygen, Apparent Oxygen Utilization (AOU), percent oxygen saturation, phosphate, silicate, and nitrate at [standard depth levels](#) for annual, seasonal, and monthly compositing periods for the World Ocean. It also includes associated statistical fields of observed oceanographic profile data interpolated to standard depth levels on 5° , 1° , and 0.25° grids. [More info](#) (215 KB).”

World Ocean Database 2013. Silver Spring, MD: National Oceanographic Data Center, Ocean Climate Laboratory. doi:10.7289/V5NZ85MT (publication)

Online access: <http://www.nodc.noaa.gov/OC5/WOD13/>

“World Ocean Database 2013 is an update of World Ocean Database 2009 (WOD09) with the full set of quality control used to create World Ocean Atlas 2009 (WOA09). [More information](#) ”

World Ocean Database and World Ocean Atlas Series. Silver Spring, MD: National Oceanographic Data Center, Ocean Climate Laboratory.

Online access: <http://www.nodc.noaa.gov/OC5/indprod.html>

World Ocean Database Select and Search. Silver Spring, MD: National Oceanographic Data Center, Ocean Climate Laboratory.

Online access: <http://www.nodc.noaa.gov/OC5/SELECT/dbsearch/dbsearch.html>

“The WODselect retrieval system allows a user to search World Ocean Database 2013 and new data added since its release using a user-specified search criteria. A distribution map and cast count of these search criteria will give the user the option to have the data extracted and placed on the NODC FTP site in the WOD13 native, 'csv', and netCDF data formats.”

XBT Bias Depth and Temperature Corrections. Silver Spring, MD: National Oceanographic Data Center, Ocean Climate Laboratory.

Online access: https://www.nodc.noaa.gov/OC5/XBT_BIAS/xbt_bias.html

“Gouretski and Koltermann (2007) shows statistics from Expendable Bathymeterograph (XBT) vs. Conductivity-Temperature-Depth (CTD)/reversing thermometer instrument comparisons which reveal a warm bias in XBT temperatures. This bias varies over time and over depth. The bias may be due to both errors in the calculation of depth and in measurement of the temperature. An important deviation from the majority of existing correction schemes is that depth correction varies with depth.”

XBT Quality Test Reference Table. Silver Spring, MD: National Oceanographic Data Center, Ocean Climate Laboratory.

Online access: http://www.nodc.noaa.gov/OC5/XBT_BIAS/xbt_bibliography.html



NOAA

NATIONAL OCEANOGRAPHIC
DATA CENTER (**NODC**)
UNITED STATES DEPARTMENT OF COMMERCE



IV. Journal Articles

This section includes entries to the scientific papers, journal articles, peer-review publications, and conference papers by the National Oceanographic Data Center staff from 1961 through December 2014. Some entries from early months of 2015 are also included. The citations listed below have been selected based on searching Web of Science database, Google Scholar, various Internet sites, and NOAA/NODC websites. All entries listed below have been accessed and viewed during month of May 2015.

The citations are organized in Author>Title sequence and formatted according to the *APA Citation Style Guide, 6th ed.*

Abraham, J. P., Baringer, M., Bindoff, N. L., Boyer, T., Cheng, L. J., Church, J. A., . . . Willis, J. K. (2013). **A review of global ocean temperature observations: implications for ocean heat content estimates and climate change.** *Reviews of Geophysics*, 51(3), 450-483. doi: 10.1002/rog.20022

Anderson, D., & McVey E. (2007). **The Coral Reef Digital Library.** *Earth System Monitor*, 15(4), 4. Online access: http://www.nodc.noaa.gov/General/NODCPubs/ESM/ESM_MAY2007vol15no4.pdf

Antonov, J. I. (1993). **Linear trends of temperature at intermediate and deep layers of the North Atlantic Ocean and the North Pacific Ocean: 1957-1981.** *Journal of Climate*, 6, 1928-1942.

Antonov, J. I., Levitus, S., & Boyer, T. P. (2002). **Steric sea level variations during 1957-1994: Importance of salinity.** *Journal of Geophysical Research-Oceans*, 107(C12). doi: 10.1029/2001jc000964
Online access: ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/bo_jgr02.pdf

Antonov, J. I., Levitus, S., & Boyer, T. P. (2004). **Climatological annual cycle of ocean heat content.** *Geophysical Research Letters*, 31(4). doi: 10.1029/2003gl018851

Antonov, J. I., Levitus, S., & Boyer, T. P. (2005). **Thermosteric sea level rise, 1955-2003.** *Geophysical Research Letters*, 32(12). doi: 10.1029/2005gl023112
Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/GL023112.pdf>

Arndt, D. S., Blunden, J., Willett, K. M., Dolman, A. J., Hall, B. D., Thorne, P. W., . . . Phillips, D. (2012). **State of the Climate in 2011:** Special Supplement to the Bulletin of the American Meteorological Society Vol. 93, No. 7, July 2012: Introduction. *Bulletin of the American Meteorological Society*, 93(7), S1-S282. doi: 10.1175/2012BAMSStateoftheClimate.1

Arnold, J., & Kaske, N. K. (2005). **Evaluating the quality of a chat service.** *portal: Libraries and the Academy*, 5(2), 177-193.

Auladell, M., Pelegri, J. L., Garcia-Olivares, A., Kirwan, A. D., Liphardt, B. L., Martin, J. M., Pascual, A., Sangra, P., & Zweng, M. (2010). **Modelling the early evolution of a Loop Current ring.** *Journal of Marine Systems*, 80 (3-4), 160-171.

Baker-Yeboah, S., Byrne, D. A., & Watts, D. R. (2010). **Observations of mesoscale eddies in the South Atlantic Cape Basin: Baroclinic and deep barotropic eddy variability.** *Journal of Geophysical Research-Oceans*, 115. doi: 10.1029/2010jc006236

Balmaseda, M. A., F. Hernandez A. Storto, M. D. Palmer, O. Alves, L. Shi, G. C. Smith, T. Toyoda, M. Valdivieso, B. Barnier, D. Behringer, T. Boyer, Y-S. Chang, G. A. Chepurin N. Ferry G. Forget, Y. Fujii, S. Good, S. Guinehut, K. Haines, Y. Ishikawa, S. Keeley, A. Khl, T. Lee, M. Martin, S. Masina, S. Masuda, B. Meyssignac, K. Mogensen, L. Parent, K. A. Peterson4, Y. M. Tang, Y. Yin, G. Vernieres, X. Wang, J. Waters, R. Wedd , O. Wang, Y. Xue, M. Chevallier, J-F. Lemieux, F. Dupont, T. Kuragano, M. Kamachi, T. Awaji, A. Caltabiano, K. Wilmer-Becker, F. Gaillard. (2014). **The Ocean Reanalyses Intercomparison Project (ORA-IP).** *Journal of Operational Oceanography*, under review.

Barton, A. D., & Casey, K. S. (2005). **Climatological context for large-scale coral bleaching.** *Coral Reefs*, 24(4), 536-554. doi: 10.1007/s00338-005-0017-1

Bassett, R., Beard, R., Burnett, W., Crout, R., Griffith, B., Jensen, R., & Signell, R. (2010). **Implementing the national integrated ocean from the observing system (IOOS (R))-Federal Agency perspective.** *Marine Technology Society Journal*, 44(6), 32-41.

Belkin, I. M. & Gordon, A. L. (1996). **Southern Ocean fronts from the Greenwich Meridian to Tasmania.** *Journal of Geophysical Research-Oceans*, 101, 3675-3696.

Belkin, I. M., & Levitus, S. (1996). **Temporal variability of the subarctic front near the Charlie-Gibbs fracture zone.** *Journal of Geophysical Research-Oceans*, 101(C12), 28317-28324. doi: 10.1029/96jc02794

Belkin, I., Levitus, S., Antonov, J., & S.-A. Malmberg. (1997). **On the North Atlantic "great salinity anomalies", ICES CM 1997/R:05**, 42 pp.

Belkin, I. M., Levitus, S., Antonov, J., & Malmberg, S. A. (1998). **"Great salinity anomalies" in the North Atlantic.** *Progress in Oceanography*, 41(1), 1-68. doi: 10.1016/s0079-6611(98)00015-9

Belkin, I. M., Levitus, S., Antonov, J., & Malmberg, S. A. (2000). **"Great salinity anomalies" in the North Atlantic (vol 41, pg 1, 1998).** *Progress in Oceanography*, 45(1), 107-108. doi: 10.1016/s0079-6611(00)0003-3

Belter C. (2012). **Visualizing networks of scientific research.** *Online* 36(3):14-19. Online access: <http://www.infotoday.com/online/may12/Belter-Visualizing-Networks-of-Scientific-Research.shtml>

Belter, C. W. (2013). **A bibliometric analysis of articles supported by NOAA's Office of Ocean Exploration and Research.** *Scientometrics*, 95(2), 629-644. doi:10.1007/s11192-012-0836-0

Belter, C. W., & Seidel, D. J. (2013). **A bibliometric analysis of climate engineering research.** *Wiley Interdisciplinary Reviews-Climate Change*, 4(5), 417-427. doi: 10.1002/wcc.229

Boehlert, G. W., Costa, D. P., Crocker, D. E., Green, P., O'Brien, T., Levitus, S., & Le Boeuf, B. J. (2001). **Autonomous pinniped environmental samplers: Using instrumented animals as oceanographic data collectors.** *Journal of Atmospheric and Oceanic Technology*, 18(11), 1882-1893. doi: 10.1175/1520-0426(2001)018<1882:apesui>2.0.co;2

Boyer, T., J. Antonov, J. Reagan, C. Schmid, and R. Locarnini. (2014). **[Subsurface salinity] Global Oceans [in "State of the Climate in 2013"]**. *Bulletin of American Meteorological Society*, 95, S62-S65. doi: 10.1175/2014BAMSSStateoftheClimate.1

Boyer, T., Conkright, M. E., & Levitus, S. (1999). **Seasonal variability of dissolved oxygen, percent oxygen saturation, and apparent oxygen utilization in the Atlantic and Pacific Oceans**. *Deep-Sea Research Part I-Oceanographic Research Papers*, 46(9), 1593-1613. doi:10.1016/s0967-0637(99)00021-7

Boyer, T. P., Garcia, H. E., Locarnini, R. A., Zweng, M. M., Mishonova, A. V., Reagan, J. R., . . . Paver, C. R. (2014). **2013 World Ocean Atlas Aids High-Resolution Climate Studies**. *Eos, Transactions American Geophysical Union*, 95(41), 369-370. doi:10.1002/2014EO410002.
Online Access: <http://onlinelibrary.wiley.com/doi/10.1002/2014EO41/pdf>

Boyer, T., Gopalakrishna, V. V., Reseghetti, F., Naik, A., Suneel, V., Ravichandran, M., . . . Chico, R. A. (2011). **Investigation of XBT and XCTD Biases in the Arabian Sea and the Bay of Bengal with Implications for Climate Studies**. *Journal of Atmospheric and Oceanic Technology*, 28(2), 266-286. doi: 10.1175/2010jtecho784.1

Boyer, T. P., & Levitus, S. (2002). **Harmonic analysis of climatological sea surface salinity**. *Journal of Geophysical Research-Oceans*, 107(C12). doi: 10.1029/2001jc000829
Online access: ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/bo_jgr02.pdf

Boyer, T., Levitus, S., Antonov, J., Locarnini, R., Mishonov, A., Garcia, H., & Josey, S. A. (2007). **Changes in freshwater content in the North Atlantic Ocean 1955-2006**. *Geophysical Research Letters*, 34(16). doi: 10.1029/2007gl030126

Boyer, T. P., Levitus, S., Garcia, H., Locarnini, R. A., Stephens, C., & Antonov, J. (2005). **Objective analyses of annual, seasonal, and monthly temperature and salinity for the world ocean on a 0.25 degrees grid**. *International Journal of Climatology*, 25(7), 931-945. doi: 10.1002/joc.1173

Boyer, T. P., Levitus, S., Antonov, J. I., Locarnini, R. A., & Garcia, H. E. (2005). **Linear trends in salinity for the World Ocean, 1955-1998**. *Geophysical Research Letters*, 32(1). doi: 10.1029/2004gl021791
Online access: ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/DATA_ANALYSIS/PDF/saltrend.pdf

Bromage, T. G., Juwayeyi, Y. M., Smolyar, I., Hu, B., Gomez, S., & Chisi, J. (2011). **Enamel-calibrated lamellar bone reveals long period growth rate variability in humans**. *Cells Tissues Organs*, 194(2-4), 124-130. doi: 10.1159/000324216

Bromage, T. G., Juwayeyi, Y. M., Smolyar, I., Hu, B., Gomez, S., Scaringi, V. J., . . . Chisi, J. (2011). **Signposts ahead: hard tissue signals on rue armand de ricqles**. *Comptes Rendus Palevol*, 10(5-6), 499-507. doi: 10.1016/j.crpv.2011.01.009

Bromage, T. G., Lacruz, R. S., Hogg, R., Goldman, H. M., McFarlin, S. C., Warshaw, J., . . . Boyde, A. (2009). **Lamellar bone is an incremental tissue reconciling enamel rhythms, body size, and organismal life history**. *Calcified Tissue International*, 84(5), 388-404. doi: 10.1007/s00223-009-9221-2

- Bruno, J. F., Selig, E. R., Casey, K. S., Page, C. A., Willis, B. L., Harvell, C. D., . . . Melendy, A. M. (2007). **Thermal stress and coral cover as drivers of coral disease outbreaks.** *Plos Biology*, 5(6), 1220-1227. doi: 10.1371/journal.pbio.0050124
- Caldwell, P. (1998). **LOICZ and NODC share common waters.** *Earth System Monitor*, 8 (3), 9-10, 14.
- Caldwell, P. (1999). **Coral reef mapping: Local partnerships in the Pacific support national effort.** *Earth System Monitor*, 9 (4), 1-3.
- Caldwell, P. C. (2005). **Validity of north shore, Oahu, Hawaiian Islands surf observations.** *Journal of Coastal Research*, 21(6), 1127-1138. doi: 10.2112/03-0092.1
- Caldwell, P. C., & Aucan, J. P. (2007). **An empirical method for estimating surf heights from deepwater significant wave heights and peak periods in coastal zones with narrow shelves, steep bottom slopes, and high refraction.** *Journal of Coastal Research*, 23(5), 1237-1244. doi: 10.2112/04-0397r.1
- Caldwell, P. C., Vitousek, S., & Aucan, J. P. (2009). **Frequency and duration of coinciding high surf and tides along the north shore of Oahu, Hawaii, 1981-2007.** *Journal of Coastal Research*, 25(3), 734-743. doi: 10.2112/08-1004.1
- Casey, K. S. (2002). **Daytime vs nighttime AVHRR sea surface temperature data: A report regarding Wellington et al. (2001).** *Bulletin of Marine Science*, 70(1), 169-175.
- Churgin, J. (1979). **Status of international oceanographic data exchange.** *Environmental Data and Information Service*, pp. 3-9.
- Cloud, J. (2011). **In the shadow of melting glaciers: climate change and Andean Society.** *Technology and Culture*, 52(4), 842-843. doi: 10.1353/tech.2011.0133
- Cloud, J. (2012). **Globalizing polar science: reconsidering the International Polar and Geophysical Years.** *Technology and Culture*, 53(2), 493-495. doi: 10.1353/tech.2012.0055
- Cohen, R. (1997). **NODC focuses on the coastal ocean.** *Earth System Monitor*, 8 (2), 10-11.
- Collins, E. V. (1993). **NOAA Central Library moves to new building.** *Earth System Monitor*, 4 (1), 1, 15-16.
- Conkright, M. (1998). **... and database flagged.** *Nature*, 393(6683), 318-318. doi: 10.1038/30634
- Conkright, M. E. (2000). **DMTT focuses on availability and preservation of JGOFS data.** *U.S. JGOFS News*, 10 (4), 14-15.
- Conkright, M. E., Boyer, T. P., Monterey, G. I., Antonov, J. & Levitus, S. (1996). **Future products in the World Ocean Atlas 1994 series.** *NOAA/Earth System Monitor*, 7(2).
- Conkright, M. E., & Gregg, W. W. (2003). **Comparison of global chlorophyll climatologies: In situ, CZCS, Blended in situ-CZCS and SeaWiFS.** *International Journal of Remote Sensing*, 24(5), 969-991. doi: 10.1080/01431160110115573

- Conkright, M. E., Gregg, W. W. & Levitus, S. (1999). **Seasonal cycle of phosphate in the open ocean.** *Progress in Oceanography*, 44 (1-3), 159-175
- Conkright, M. E., Gregg, W. W., & Levitus, S. (2000). **Seasonal cycle of phosphate in the open ocean.** *Deep-Sea Research Part I-Oceanographic Research Papers*, 47(2), 159-175. doi: 10.1016/s0967-0637(99)00042-4
- Conkright, M. E. & Sackett, W. M. (1992). **Stable carbon isotope changes during the maturation of organic matter.** In: *Productivity, Accumulation and Preservation of Organic Matter in Recent and Ancient Sediments*, J. Whelan and J. Farrington, eds., Columbia University Press, New York, 403-414.
- Cowley, R., Wijffels, S., Cheng, L. J., Boyer, T., & Kizu, S. (2013). **Biases in Expendable Bathythermograph Data: A New View Based on Historical Side-by-Side Comparisons.** *Journal of Atmospheric and Oceanic Technology*, 30(6), 1195-1225. doi: 10.1175/jtech-d-12-00127.1
- Dickey, J. O., Bentley, C. R., Bilham, R., Carton, J. A., Eanes, R. J., Herring, T. A., Kaula, W. M., Lagerloef, G. S. E., Rojstaczer, S., Smith, W. H. F., van den Dool, H. M., Wahr, J. M. & Zuber, M. T. (1998). **Satellite gravity: Insights into the solid earth and its fluid envelope.** *EOS, Transactions, American Geophysical Union*, 79 (20), 237, 242-243.
- Dierssen, H. M., & Theberge, A. E. (2013). **Bathymetry: history of seafloor mapping.** In: *Encyclopedia of Natural Resources*. New York: Taylor & Francis Group. In press.
- Dierssen, H. M., & Theberge, A. E. (2013). **Bathymetry: assessing methods.** In: *Encyclopedia of Natural Resources*. New York: Taylor & Francis Group. In press.
- Dierssen, H.M., & Theberge, A. E. (2013). **Bathymetry: features and hypsography.** In: *Encyclopedia of Natural Resources*. New York: Taylor & Francis Group. In press.
- Donlon, C., Robinson, I., Casey, K. S., Vazquez-Cuervo, J., Armstrong, E., Arino, O., . . . Rayner, N. (2007). **The global ocean data assimilation experiment high-resolution sea surface temperature pilot project.** *Bulletin of the American Meteorological Society*, 88(8), 1197-1213. doi: 10.1175/bams-88-8-1197
- Donlon, C. J., Casey, K. S., Robinson, I. S., Gentemann, C. L., Reynolds, R. W., Barton, I., . . . Evans, R. (2009). **The GODAE high-resolution sea surface temperature pilot project.** *Oceanography*, 22(3), 34-45.
- Douglas, B. C. (1992). **Global sea-level acceleration.** *Journal of Geophysical Research-Oceans*, 97(C8), 12699-12706. doi: 10.1029/92jc01133
- Douglas, B. C. (1995). **Global sea-level change - determination and interpretation.** *Reviews of Geophysics*, 33, 1425-1432. doi: 10.1029/95rg00355
- Fanning, A. F., Greatbatch, R. J., da Silva, A. M., & Levitus, S. (1994). **Model-calculated seasonal transport variations through the Florida straits - a comparison using different wind-stress climatologies.** *Journal of Physical Oceanography*, 24(1), 30-45. doi: 10.1175/1520-0485(1994)024<0030:mcstvt>2.0.co;2

Elswick, S. (2012). **New resources for information from NOAA Library.** *Earth System Monitor*, 19(1), 9.

Online access: http://www.nodc.noaa.gov/General/NODCPubs/ESM/ESM_May2012vol19no1.pdf

Fiolek, A., Collins, D. W., Anderson, D., & Beattie, J. (2006). **NOAA ocean exploration digital video and image data: archiving, preserving, and accessing online oceanographic information.** In: *Oceans 2006 Conference Proceedings*, p. 1-5. doi: [10.1109/OCEANS.2006.306961](https://doi.org/10.1109/OCEANS.2006.306961)

Fiolek, A. (2007). **The 4th International Polar Year (2007-2008).** *Earth System Monitor*, 16(1), 4. Online access: http://www.nodc.noaa.gov/General/NODCPubs/ESM/ESM_AUG2007vol16no1.pdf

Fiolek, A., & Collins, D. W. (2008). **Video Data Management System archives and provides online access to NOAA deep-sea corals digital video and image data.** In: *Oceans 2008 Conference Proceedings*, p. 1-6. doi: [10.1109/OCEANS.2008.5151940](https://doi.org/10.1109/OCEANS.2008.5151940)

Online access: http://docs.lib.noaa.gov/OEDV/VDMS_DOCS/Oceans2008_paper_final.pdf

Fiolek, A., Gottfried, S., Ladnier, S., Mesick, S. (2009). **Mapping, cross-walking, converting and exchanging Oceanographic metadata information in Video Data Management System.** In: *Oceans 2009 Conference Proceedings*, p. 1-7. INSPEC Accession Number: 11154901.

Online access: http://docs.lib.noaa.gov/OEDV/VDMS_DOCS/Oceans2009/PID972267.pdf

Fiolek, A. (2010). **NOAA celebrates TIROS 50th Anniversary.** *Earth System Monitor*, 18(2), 8. Online access: http://www.nodc.noaa.gov/General/NODCPubs/ESM/ESM_MAY2010vol18no2.pdf

Fiolek, A. (2010). **Resources on polar research in the NOAACentral Library Netework (Plenary Session 5).** In: *The 22nd Polar Libraries Colloquy: currents of change: the future of polar information, June 2-6, 2008, Edmonton, Alberta, Canada*, pp. 97-106.

Online access:

http://docs.lib.noaa.gov/noaa_documents/NESDIS/NODC/LISD/Central_Library/PLC2008Proceeds-Plenary5.pdf

Foundy, G., Johnson, T., Kaske, N. K. (2008). **Is Google God? How do students look for information today?** *Library Orientation Series*, 39, 23.

Frey, H. R. (1998). **Credit where credit is due.** *Sea Technology*, 39(7), 101-101.

Frey, H. R. (1998). **National Oceanographic Data Center.** *Sea Technology*, 39(6), 49-54.

Garcia, H. E., Boyer, T. P., Levitus, S., Locarnini, R. A., & Antonov, J. (2005). **On the variability of dissolved oxygen and apparent oxygen utilization content for the upper world ocean: 1955 to 1998.** *Geophysical Research Letters*, 32(9). doi: 10.1029/2004gl022286

Garcia, H. E., Boyer, T. P., Levitus, S., Locarnini, R. A., & Antonov, J. I. (2005). **Climatological annual cycle of upper ocean oxygen content anomaly.** *Geophysical Research Letters*, 32(5). doi: 10.1029/2004gl021745

Garcia, H. E., & Keeling, R. F. (2001). **On the global oxygen anomaly and air-sea flux.** *Journal of Geophysical Research-Oceans*, 106(C12), 31155-31166. doi: 10.1029/1999jc000200
Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/heato2.pdf>

Garcia M., Blade, I., Cruzado, A., Velasquez, Z., Garcia, H., Puigdefabregas, J. & Sospedra, J. (2002). **Observed variability of water properties and transports on the World Ocean Circulation Experiment SR1b section across the Antarctic Circumpolar current.** *Journal of Geophysical Research*, 107, C10
Online access: ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/hg_jgr02.pdf

Gardner, W. D., Mishonov, A., & Richardson, M. J. (2006). **Global POC concentrations from in-situ and satellite data.** *Deep-Sea Research Part II-Topical Studies in Oceanography*, 53(5-7), 718-740. doi: 10.1016/j.dsr2.2006.01.029

Gelfeld, R. & Dooley, H. (1994). **Old sea data help scientists today.** *ICES CIEM Information Newsletter*, 24, 9.

Gentemann, C. L., Minnett, P. J., Sienkiewicz, J., DeMaria, M., Cummings, J., Jin, Y., . . . Donlon, C. J. (2009). **MISST the multi-sensor improved sea surface temperature project.** *Oceanography*, 22(2), 76-87.

Giese, B. S., Chepurin, G. A., Carton, J. A., Boyer, T. P., & Seidel, H. F. (2011). **Impact of bathythermograph temperature bias models on an ocean reanalysis.** *Journal of Climate*, 24(1), 84-93. doi: 10.1175/2010jcli3534.1

Gleckler, P. J., Santer, B. D., Domingues, D. M., Pierce, D. W., Barnett, T. P., Church, J. A., Taylor, K. E., AchutaRao, K. M., Boyer, T., Ishii, M., & Caldwell, P. M. (2012). **Human-induced global ocean warming on multidecadal timescales.** *Nature Climate Change*, 2(7), 524-529. doi:10.1038/nclimate1553

Glover, D. M., Wiebe, P. H., Chandler, C. L., & Levitus, S. (2010). **IOC contributions to international, interdisciplinary open data sharing.** *Oceanography*, 23(3), 140-151.

Gopalakrishna, V. V., Durand, F., Nisha, K., Lengaigne, M., Boyer, T. P., Costa, J., . . . Suneel, V. (2010). **Observed intra-seasonal to interannual variability of the upper ocean thermal structure in the southeastern Arabian Sea during 2002-2008.** *Deep-Sea Research Part I-Oceanographic Research Papers*, 57(6), 739-754. doi: 10.1016/j.dsr.2010.03.010

Gouretski, V., Kennedy, J., Boyer, T., & Kohl, A. (2012). **Consistent near-surface ocean warming since 1900 in two largely independent observing networks.** *Geophysical Research Letters*, 39, L19606. doi: 10.1029/2012gl052975

Greatbatch, R. J., Fanning, A. F., & Goulding, A. D. & Levitus, S. (1991). **A diagnosis of interpentadal circulation changes in the North-Atlantic.** *Journal of Geophysical Research-Oceans*, 96(C12), 22009-22023. doi: 10.1029/91jc02423

Greatbatch, R., Fanning, A. F., Goulding, A. D., da Silva, A. & Levitus, S. (1994). **Model-calculated seasonal transport variations through the Florida Straits: a comparison using different wind stress climatologies.** *Journal of Physical Oceanography*, 24, 30-45.

Gregg, W. W., & Conkright, M. E. (2001). **Global seasonal climatologies of ocean chlorophyll: blending in situ and satellite data for the coastal zone color scanner era.** *Journal of Geophysical Research-Oceans*, 106(C2), 2499-2515. doi: 10.1029/1999jc000028
Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/blend.pdf>

Gregg, W. W., & Conkright, M. E. (2002). **Decadal changes in global ocean chlorophyll.** *Geophysical Research Letters*, 29(15). doi: 10.1029/2002gl014689

Gregg, W. W., Conkright, M. E., Ginoux, P., O'Reilly, J. E., & Casey, N. W. (2003). **Ocean primary production and climate: global decadal changes.** *Geophysical Research Letters*, 30(15). doi: 10.1029/2003gl016889

Gregg, W. W., Conkright, M. E., O'Reilly, J. E., Patt, F. S., Wang, M. H. H., Yoder, J. A., & Casey, N. W. (2002). **NOAA-NASA coastal zone color scanner reanalysis effort.** *Applied Optics*, 41(9), 1615-1628. doi: 10.1364/ao.41.001615

Halpern, B. S., Kappel, C. V., Micheli, F., Selkoe, K. A., D'Agrosa, C., Bruno, J., Watson, R. (2008). **Diminishing sea ice - response.** *Science*, 321(5895), 1444-1445.

Halpern, B. S., Walbridge, S., Selkoe, K. A., Kappel, C. V., Micheli, F., D'Agrosa, C., . . . Watson, R. (2008). **A global map of human impact on marine ecosystems.** *Science*, 319(5865), 948-952. doi: 10.1126/science.1149345

Hansen, J., M. Sato, L. Nazarenko, R. Ruedy, A. Lacis, D. Koch, I. Tegen, T. Hall, D. Shindell, B. Santer, P. Stone, T. Novakov, L. Thomason, R. Wang, Y. Wang, D. Jacob, S. Hollandsworth, L. Bishop, J. Logan, A. Thompson, R. Stolarski, J. Lean, R. Willson, S. Levitus, J. Antonov, N. Rayner, D. Parker, J. Christy. (2002). **Climate forcings in Goddard Institute for Space Studies SI2000 simulations.** *Journal of Geophysical Research-Atmospheres*, 107(D18). doi: 10.1029/2001jd001143

Hardy, J. D., Jr. (2001). **A new frog of the genus *Eleutherodactylus* from the Island of Tobago, West Indies.** *Bulletin of the Maryland Herpetological Society*, 37 (1), 25-31.

Hardy, J. D., Jr., & Boos, H. A. E. (1995). **Snakes of the genus *Erythrolamprus* (Serpentes: Colubridae) from Trinidad and Tobago, West Indies.** *Bulletin of the Maryland Herpetological Society*, 31 (3), 158-190.

Haupt, B. J., & Seidov, D. (2007). **Strengths and weaknesses of the global ocean conveyor: Inter-basin freshwater disparities as the major control.** *Progress In Oceanography*, 73, 358-369.

Online access:

ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/Haupt_Seidov_PiO_2007.pdf

Haupt, B.J., & Seidov, D. (2008). **The Miocene climate at 20 and 14 Ma: a model study with the focus on freshwater.** *EOS Trans. AGU. Fall Meet Suppl.*, 89 (7)

Helber, R. W., Kara, A. B., Barron, C. N., & Boyer, T. P. (2009). **Mixed layer depth in the Aegean, Marmara, Black and Azov Seas. Part II, Relation to the sonic layer depth.** *Journal of Marine Systems*, 78, S181-S190. doi: 10.1016/j.jmarsys.2009.01.023

Helber, R. W., Kara, A. B., Richman, J. G., Carnes, M. R., Barron, C. N., Hurlburt, H. E., & Boyer, T. (2012). **Temperature versus salinity gradients below the ocean mixed layer.** *Journal of Geophysical Research-Oceans*, 117, C05006. doi: 10.1029/2011jc007382

Higgins, J. E., Ford, M. D., & Costello, J. H. (2008). **Transitions in morphology, nematocyst distribution, fluid motions, and prey capture during development of the scyphomedusa Cyanea capillata.** *Biological Bulletin*, 214(1), 29-41.

Howard, J., Babij, E., Griffis, R., Helmuth, B., Himes-Cornell, A., Niemier, P., . . . Xue, Y. (2013). **Oceans and marine resources in a changing climate.** In R. N. Hughes & D. J. Hughes (Eds.), *Oceanography and Marine Biology: An Annual Review, Vol 51* (pp. 71-192). Boca Raton: Crc Press-Taylor & Francis Group.

Hughes, K. H. (1980). **Managing marine pollution data and information.** *Environmental Data and Information Service*, 11 (5), 3-10.

Isayev, G. (1994). **Absolute velocity as a function of standard observed data and their first derivatives.** *Ocean Modelling*, 102, 12-15.

Isayev, G. (1995). **Towards a local diagnostic method.** *Ocean Modelling*, 107, 1-5.

Isayev, G., & Levitus, S. (1995). **A diagnosis of the North-Atlantic horizontal and vertical circulation with error-estimates.** *Journal of Geophysical Research-Oceans*, 100(C4), 6795-6815. doi: 10.1029/94jc03067

Isayev, G., & Levitus, S. (1996). **Annual cycle of hydrography derived versus altimetry derived global sea level.** *Annales Geophysicae*, 14 (Supplement)

Jaliljee, J. B., & Hamilton, D. R. (1977). **Objective analysis and classification of oceanographic data.** *Tellus* 29 (6), 545-560.

Jeffery, C. D., Robinson, I. S., & Woolf, D. K. (2010). **Tuning a physically-based model of the air-sea gas transfer velocity.** *Ocean Modelling*, 31(1-2), 28-35. doi: 10.1016/j.ocemod.2009.09.001

Jiao, N. Z., Zhang, Y., Zeng, Y. H., Gardner, W. D., Mishonov, A. V., Richardson, M. J., . . . Yang, D. C. (2007). **Ecological anomalies in the East China Sea: Impacts of the three gorges dam?** *Water Research*, 41(6), 1287-1293. doi: 10.1016/j.watres.2006.11.053
Online access: <http://www.sciencedirect.com/science/article/pii/S0043135406006749>

Jones, C. S., Shriver, J. F., & O'Brien, J. J. (1999). **The effects of El Niño on rainfall and fire in Florida.** *The Florida Geographer*, 30, 55-69.

Johnson, G. C., Lyman, J. M., Willis, J. K., Levitus, S., Boyer, T., Antonov, J. (2011). **Ocean heat content, Global Oceans (in State of the Climate in 2010).** *Bulletin of the American Meteorological Society*, 92 (6), 81-84.

Johnson, G. C., Lyman, J. M., Willis, J. K., Levitus, S., Boyer, T., Antonov, J., & Good, S. A. (2012). **[Ocean heat content] Global Oceans [in State of the Climate in 2011].** *Bulletin of the American Meteorological Society*, 93 (7), S62-S64.

- Johnson, G. C., J. M. Lyman, J. K. Willis, T. Boyer, J. Antonov, S. A. Good, C. M. Domingues, and N. Bindoff. (2014). **Ocean Heat Content [in "State of the Climate in 2013"]**. *Bulletin of the American Meteorological Society*, 95(7), S54-S57.
- Judson, M., & Hardy, J. D. (2001). **First record of Ricinulei (Arachnida) from the Lesser Antilles.** *Caribbean Journal of Science*, 37(3-4), 290-291.
- Kaiser, H., & Hardy, J. D., Jr. (1994). **Amphibia: Anura: Leptodactylidae. Eleutherodactylus johnstonei (Barbour), Johnston's whistling frog, Rainette de Johnstone.** *Catalogue of American Amphibians and Reptiles*, No. 581.
- Kaiser, H., & Hardy, J. D., Jr. (1994). **Amphibia: Anura: Leptodactylidae. Eleutherodactylus martinicensis (Tschudi), brown whistling frog, Rainette brune.** *Catalogue of American Amphibians and Reptiles*, No. 582.
- Kaiser, H., Hardy, J. D., & Green, D. M. (1994). **Taxonomic status of Caribbean and South-American frogs currently ascribed to eleutherodactylus-urichi (anura, leptodactylidae).** *Copeia* (3), 780-796.
- Kara, A. B., Barron, C. N., & Boyer, T. P. (2009). **Evaluations of SST climatologies in the tropical Pacific Ocean.** *Journal of Geophysical Research-Oceans*, 114. doi: 10.1029/2008jc004909
- Kara, A. B., Barron, C. N., Wallcraft, A. J., Oguz, T., & Casey, K. S. (2008). **Advantages of fine resolution SSTs for small ocean basins: evaluation in the Black Sea.** *Journal of Geophysical Research-Oceans*, 113(C8). doi: 10.1029/2007jc004569
- Kara, A. B., Helber, R. W., Boyer, T. P., & Elsner, J. B. (2009). **Mixed layer depth in the Aegean, Marmara, Black and Azov Seas. Part I, General features.** *Journal of Marine Systems*, 78, S169-S180. doi: 10.1016/j.jmarsys.2009.01.022
- Karageorgis, A. P., Gardner, W. D., Georgopoulos, D., Mishonov, A. V., Krasakopoulou, E., & Anagnostou, C. (2008). **Particle dynamics in the Eastern Mediterranean Sea: a synthesis based on light transmission, PMC, and POC archives (1991-2001).** *Deep-Sea Research Part I-Oceanographic Research Papers*, 55(2), 177-202. doi: 10.1016/j.dsr.2007.11.002
- Karl, T. R., Derr, V. E., Easterling, D. R., Folland, C. K., Hofmann, D. J., Levitus, S., Withee, G. W. (1995). **Critical issues for long-term climate monitoring.** *Climatic Change*, 31(2-4), 185-221. doi: 10.1007/bf01095146
- Kaske, N. K. (2006). **Opinion and commentary on my mind: “Local libraries & More’ a click away.”** *American Libraries*, 37(3), 35.
- Kaske, N. K. (2007). **Measuring your library’s value: how to do a cost-benefit analysis for your public library (Review).** *Portal: Libraries and the Academy*, 7(4), 499-500.
- Kaske, N. K. (2007). **Using rubrics to access information literacy.** In: *Proceedings of the Library Assessment Conference: Building Effective Sustainable, Practical Assessment*, September 25-27, 2006, 215-224.

- Kaske, N. K. (2008). **Turning data into information: details behind telling the library valuation story.** *Library Assessment Conference 2008 Workshop*, Seattle, Washington, Aug. 7, 2008.
Online access: http://libraryassessment.org/bm~doc/tdi_handout.pdf
- Keeling, R. F. & Garcia, H. E. (2002). **The change in oceanic oxygen inventory associated with recent global warming.** *Proceedings of the National Academy of Sciences*, 99, 12, 7848-7853.
- Kurian, N. Lengaigne, M., Vissa, G.V., Vialard, J., Pous, S., Peter, A.-C., Durand, F., & Naik, S. (2013). **Processes of India's offshore summer intraseasonal sea surface temperature variability.** *Ocean Dynamics*. doi: 10.1007/s10236-013-0604-6.
- Lee, Z., Casey, B., Arnone, R., Weidemann, A., Parsons, R., Montes, M. J., . . . Dye, J. (2007). **Water and bottom properties of a coastal environment derived from Hyperion data measured from the EO-1 spacecraft platform.** *Journal of Applied Remote Sensing*, 1. doi: 10.1117/1.2822610
- Levitus, S. (1987). **Comparison of the annual cycle of two sea surface temperature climatologies of the world ocean.** *Journal of Physical Oceanography* 17 (2), 197-214.
- Levitus, S. (1989). **Interpentadal variability of salinity in the upper 150 m of the North Atlantic Ocean, 1970-74 versus 1955-59.** *Journal of Geophysical Research-Oceans*, 94, 9679-9685.
- Levitus, S. (1989). **Interpentadal variability of temperature and salinity at intermediate depths of the North Atlantic Ocean, 1970-74 versus 1955-59.** *Journal of Geophysical Research-Oceans*, 94, 6091-6131.
- Levitus, S. (1989). **Interpentadal variability of temperature and salinity in the deep North Atlantic, 1970-74 versus 1955-59.** *Journal of Geophysical Research-Oceans*, 94, 16125-16131.
- Levitus, S. (1990). **Interpentadal variability of steric sea level and geopotential thickness of the North Atlantic Ocean, 1970-74 versus 1955-59.** *Journal of Geophysical Research-Oceans*, 95, 5233-5238.
- Levitus, S. (1987). **Rate of change of heat storage of the world ocean.** *Journal of Physical Oceanography* 17 (4), 518-528.
- Levitus, S. (1993). **Ocean Climate Laboratory established at the National Oceanographic Data Center.** *Earth System Monitor*, 4 (1), 2.
- Levitus, S. (2012). **Sea level change results from the IPCC 2007 Report and subsequent results, In Sea level rise and coastal infrastructure: Prediction, risks, and solutions.** *American Society of Civil Engineers Council on Disaster Risk Management. Monograph*, 6, 20-27.
Online access:
- Levitus, S. (2012). **The UNESCO-IOC-IODE “Global Oceanographic Data Archeology and Rescue” (GODAR) project and “World Data Ocean Database” projects.** *Data Science Journal* , 11, 46-71.
Online access: http://docs.lib.noaa.gov/noaa_documents/NESDIS/NODC/journal_articles/Levitus-GODAR%20and%20WOD%20projects.pdf

Levitus, S., & Antonov, J. (1995). **Observational evidence of interannual to decadal-scale variability of the subsurface temperature-salinity structure of the world ocean.** *Climatic Change*, 31(2-4), 495-514. doi: 10.1007/bf01095159

Levitus, S. & Antonov, John. (2012). **Ocean heat and salt content.** *Earth System Monitor*, 19(1), 4.

Levitus, S., Antonov, J. I., Baranova, O. K., Boyer, T. P., Coleman, C. L., Garcia, H. E., . . . Zweng, M. M. (2013). **The World Ocean Database, In Special Issue of the Proceedings of the 1st WDS Conference in Kyoto, 3-6 Spetmber 201, Kyoto Univeristy, Kyoto Japan.** *Data Science Journal*. v.3, 229-234.

Online access: https://www.jstage.jst.go.jp/article/dsj/12/0/12_WDS-041/_article

Levitus, S., Antonov, J., & Boyer, T. (2005). **Warming of the world ocean, 1955-2003.** *Geophysical Research Letters*, 32(2). doi: 10.1029/2004gl021592

Levitus, S., Antonov, J. I., & Boyer, T. P. (1994). **Interannual variability of temperature at a depth of 125 meters in the North-Atlantic Ocean.** *Science*, 266(5182), 96-99. doi: 10.1126/science.266.5182.96
Online access: ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/temp_sc94.pdf

Levitus, S., Antonov, J. I., Boyer, T. P., Baranova, O. K., Garcia, H. E., Locarnini, R. A., . . . Zweng, M. M. (2012). **World ocean heat content and thermosteric sea level change (0-2000 m), 1955-2010.** *Geophysical Research Letters*, 39, L10603. doi: 10.1029/2012gl051106

Levitus, S., Antonov, J. I., Boyer, T. P., Garcia, H. E., & Locarnini, R. A. (2005). **EOF analysis of upper ocean heat content, 1956-2003.** *Geophysical Research Letters*, 32(18). doi: 10.1029/2005gl023606

Levitus, S., Antonov, J. I., Boyer, T. P., Garcia, H. E., & Locarnini, R. A. (2005). **Linear trends of zonally averaged thermosteric, halosteric, and total steric sea level for individual ocean basins and the world ocean, (1955-1959)-(1994-1998).** *Geophysical Research Letters*, 32(16). doi: 10.1029/2005gl023761

Levitus, S., Antonov, J. I., Boyer, T. P., Locarnini, R. A., Garcia, H. E., & Mishonov, A. V. (2009). **Global ocean heat content 1955-2008 in light of recently revealed instrumentation problems.** *Geophysical Research Letters*, 36. doi: 10.1029/2008gl037155
Online access: http://www.nodc.noaa.gov/OC5/3M_HEAT_CONTENT/

Levitus, S., Antonov, J., Boyer, T., Reagan, J., Schmid, C. (2011). **Subsurface salinity, Global Oceans (in State of the Climate in 2010).** *Bulletin of the American Meteorological Society*, 92 (6), 88-92.

Levitus, S., Antonov, J., Boyer, T. Reagan, J., Schmid, C., & Locarnini, R. (2012). **[Subsurface salinity] Global Oceans [in State of the Climate in 2011].** *Bulletin of the American Meteorological Society*, 93 (7), S72-S75.

Levitus, S., Antonov, J. I., Boyer, T. P., & Stephens, C. (2000). **Warming of the world ocean.** *Science*, 287(5461), 2225-2229. doi: 10.1126/science.287.5461.2225

Online access:

<http://www.sciencemag.org/cgi/content/full/287/5461/2225?ijkey=iQleyh4iuzEr.&keytype=ref&siteid=sci>

- Levitus, S., Antonov, J. I., Wang, J. L., Delworth, T. L., Dixon, K. W., & Broccoli, A. J. (2001). **Anthropogenic warming of Earth's climate system.** *Science*, 292(5515), 267-270. doi: 10.1126/science.1058154
- Levitus, S., Boyer, T., Garcia, H., Locarnini, R., Smolyar, I., Mishonov, A., Johnson, D. & Antonov, J. (2006). **World Ocean Database 2005 now available.** *Earth System Monitor*, 15(1).
- Levitus, S., Boyer, T., Garcia, H., Locarnini, R. & Mishonov, A. (2007). **World Ocean Atlas 2005 presents new ocean climatologies.** *Earth System Monitor*, 16(2), 10.
- Levitus, S., Conkright, M. E., Reid, J. L., Najjar, R. G., & Mantyla, A. (1993). **Distribution of nitrate, phosphate and silicate in the world oceans.** *Progress in Oceanography*, 31(3), 245-273. doi: 10.1016/0079-6611(93)90003-v
- Levitus, S., Conkright, M. E., Gelfeld, R. & Boyer, T. P. (1994). **World Ocean Atlas 1994. Global Change Newsletter**, 20, 4-6.
- Levitus, S., Conkright, M. E., Gelfeld, R. & Boyer, T. P. (1994). **World Ocean Atlas presents new Ocean climatologies.** *NOAA/Earth System Monitor*, 5(2).
- Levitus, S., Conkright, M. E., Gelfeld, R. & Boyer, T. P. (1995). **World Ocean Atlas 1994 and CD-ROM Data Sets.** *Bulletin of the American Meteorological Society*, p. 405.
- Levitus, S. & Gelfeld, R. (1993). **Oceanographic data archaeology project receives international support.** *NOAA/Earth System Monitor*, (2).
- Levitus, S. & Gelfeld, R. (1993). **Oceanographic data archaeology project receives international support.** *UNESCO, IMS Newsletter*, 67, 4-5.
- Levitus, S., Gelfeld, R., Stathopoulos, L., & Conkright, M. E. (1993). **Oceanographic Data Archaeology and Rescue Project is Underway.** *U.S. JGOFS News*, 5(2).
- Levitus, S., & Isayev, G. (1992). **Polynomial-approximation to the international equation of state for seawater.** *Journal of Atmospheric and Oceanic Technology*, 9(5), 705-708. doi: 10.1175/1520-0426(1992)009<0705:pattie>2.0.co;2
- Levitus, S., & Isayev, G. (1992). **Polynomial-approximation to the international equation of state for seawater.** *Journal of Atmospheric and Oceanic Technology*, 9, 705-707.
- Levitus, S., & Isayev, G. (1994). **Polynomial-approximation to the international equation of state for seawater** (Vol 9, Pg 705, 1992). *Journal of Atmospheric and Oceanic Technology*, 11(3), 843-843.
- Levitus, S., Matishov, G., Seidov, D., & Smolyar, I. (2009). **Barents Sea multidecadal variability.** *Geophysical Research Letters*, 36. doi: 10.1029/2009gl039847
- Levitus, S., & Sarkisyan, A. S. (2001). **Ocean dynamic characteristics obtained by synthesizing climatic data and the WOCE program information.** *Izvestiya Atmospheric and Oceanic Physics*, 37(4), 496-507.

Lijing Cheng, Jiang Zhu, Rebecca Cowley, Tim Boyer, and Susan Wijffels. (2014). **Time, Probe Type, and Temperature Variable Bias Corrections to Historical Expendable Bathythermograph Observations.** *Journal of Atmospheric and Oceanic Technology*, 31, 17931825. doi: <http://dx.doi.org/10.1175/JTECH-D-13-00197.1>

Link, J. S., & Ford, M. D. (2006). **Widespread and persistent increase of Ctenophora in the continental shelf ecosystem off NE USA.** *Marine Ecology-Progress Series*, 320, 153-159. doi: 10.3354/meps320153

Lipphardt, B. L., Poje, A. C., Kirwan, A. D., Kantha, L., & Zweng, M. (2008). **Death of three Loop Current rings.** *Journal of Marine Research*, 66(1), 25-60.

Logan, K. (2010). **NODC responds to the Deepwater Horizon incident.** *Earth System Monitor*, 18(3), 12.

Online access: http://www.nodc.noaa.gov/General/NODCPubs/ESM/ESM_DEC2010vol18no3.pdf

Loukos, H., Vivier, F., Murphy, P. P., Harrison, D. E., & Le Quere, C. (2000). **Interannual variability of equatorial Pacific CO₂ fluxes estimated from temperature and salinity data.** *Geophysical Research Letters*, 27(12), 1735-1738. doi: 10.1029/1999gl011013

Lueker, T. J., Walker, S. J., Vollmer, M. K., Keeling, R. F., Nevison, C. D., Weiss, R. F., & Garcia, H. E. (2003). **Coastal upwelling air-sea fluxes revealed in atmospheric observations of O-2/N-2, CO₂ and N₂O.** *Geophysical Research Letters*, 30(6). doi: 10.1029/2002gl016615

Lyman, J. M. (2012). **Estimating global energy flow from the global upper ocean.** *Surveys in Geophysics*, 33(3-4), 387-393. doi: 10.1007/s10712-011-9167-6

Mesick, S., & Gottfried, S. (2009). **New solution for navigating an ocean data.** *Earth System Monitor*, 17(3), 6-7.

Online access: http://www.nodc.noaa.gov/General/NODCPubs/ESM/ESM_MAR2009vol17no3.pdf

Marks, K. M., & Stock, J. M. (1997). **Early tertiary gravity field reconstructions of the Southwest Pacific.** *Earth and Planetary Science Letters*, 152 (1-4), 267-274.

Marks, K. M., Stock, J. M., & Quinn, K. J. (1999). **Evolution of the Australian-Antarctic discordance since Miocene time.** *Journal of Geophysical Research-Solid Earth*, 104(B3), 4967-4981. doi: 10.1029/1998jb900075

Matishov, G. G., Denisov, V. V., Zuev, A. N., Golubev, V. A., Adrov, N. M., Levitus, S., & Smolyar, I. (1999). **Climatic Atlas of the Barents Sea.** *Doklady Akademii Nauk*, 366(5), 692-694.

Matishov, G. G., Matishov, D. G., Berdnikov, S. V., Sorokina, V. V., Levitus, S., & Smolyar, I. V. (2008). **Secular climate fluctuations in the Sea of Azov region (based on thermohaline data over 120 years).** *Doklady Earth Sciences*, 422(1), 1101-1104. doi: 10.1134/s1028334x08070222

Matishov, G. G., Zuev, A. N., Golubev, V. A., Levitus, S., & Smolyar, I. (2005). **Mega database on oceanography and biology of the western Arctic region.** *Doklady Earth Sciences*, 401(2), 343-346.

- McLellan, J. A., Heard, R. W., & Hardy, J. D., Jr. (1992). **Arrow worms (Chaetognaths) from the near-shore waters of Tobago.** *Caribbean Marine Studies* 3, 33-40.
- McLeod, E., Moffitt, R., Timmermann, A., Salm, R., Menviel, L., Palmer, M. J., . . . Bruno, J. F. (2010). **Warming seas in the coral triangle: coral reef vulnerability and management implications.** *Coastal Management*, 38(5), 518-539. doi: 10.1080/08920753.2010.509466
- McPhaden, M. J., Busalacchi, A. J., Cheney, R., Donguy, J. R., Gage, K. S., Halpern, D., Ji, M., Julian, P., Meyers, G., Mitchum, G. T., Niiler, P. P., Picaut, J., Reynolds, R. W., Smith, N., & Takeuchi, K. (1998). **The tropical ocean-global atmosphere observing system: a decade of progress.** *Journal of Geophysical Research*, 103 (C7), 14169-14240.
- McVey, E. (1992). **Aquaculture Center staff networks with international groups at Aqua'92.** *Agricultural Libraries Information Notes*, 19 (7-8), 7.
- McVey, E. (1992). **NAL staff volunteer in remedial program at Beltsville Academic Center.** *Agricultural Libraries Information Notes* 19 (7-8), 10-11.
- McVey, E. (1993). **National evaluation of user profiles in aquaculture.** *Journal of Agricultural Food and Information* 1 (2), 107-124.
- Merrifield, M. A., Firing, Y. L., Aarup, T., Agricole, W., Brundrit, G., Chang-Seng, D., . . . Turetsky, N. (2005). **Tide gauge observations of the Indian Ocean tsunami, December 26, 2004.** *Geophysical Research Letters*, 32(9). doi: 10.1029/2005gl022610
- Mehta, V., E. Lindstrom, A. Busalacchi, T. Delworth, C. Deser, L. L. Fu, J. Hansen, G. Lagerloef, K. M. Lau, S. Levitus, G. Meehl, G. Mitchum, E. Sarachik, J. Susskind, & W. White. (2000). **Proceedings of the NASA Workshop on Decadal Climate Variability.** *Bulletin of the American Meteorological Society*, 81 (12)
- Mitchum, G. T., Cheney, R., Fu, L. L., Provost, C., Menard, Y., & Woodworth, P. (1999). **Sea surface height observations from altimeters and tide gauges.** *CLIVAR Exchanges*, 4 (3), 11-16.
- Murphy, P. P., Nojiri, Y., Fujinuma, Y., Wong, C. S., Zeng, J., Kimoto, T., & Kimoto, H. (2001). **Measurements of surface seawater fCO₂ from volunteer commercial ships: Techniques and experiences from Skaugran.** *Journal of Atmospheric and Oceanic Technology*, 18(10), 1719-1734. doi: 10.1175/1520-0426(2001)018<1719:mossfc>2.0.co;2
- Murphy, P. P., Nojiri, Y., Harrison, D. E., & Larkin, N. K. (2001). **Scales of spatial variability for surface ocean pCO₂ in the Gulf of Alaska and Bering Sea: toward a sampling strategy.** *Geophysical Research Letters*, 28(6), 1047-1050. doi: 10.1029/2000gl012375
- Murphy, P., Nojiri, P. Y., & Wong, C. S. (2000). **Extensive new CO₂ data in the North Pacific from the Volunteer Observing Ship Skaugran.** *U.S. JGOFS News*, 10 (4), 8-9.
- NODC Staff. (1995). **New GODAR product available.** *UNESCO, IMS Newsletter*, 73-74, 11.
- NODC Staff. (1995). **New GODAR product available.** *UNESCO, IMS Newsletter*, 73-74, 11.

NODC Staff. (1995). **New GODAR product available.** *EOS Transactions, Section News*, 76(34), 339.

NODC Staff. (1998). **World Ocean Database 1998: CD-ROM Scientific Data Sets.** *NODC Environmental Information Bulletin*, 98-1.

NODC Staff. (1999). **World Ocean Atlas 1998 and World Ocean Atlas 1998 Figures.** *NODC Environmental Information Bulletin*, 99-3.

NODC Staff. (1999). **Atlas of Surface Marine Data 1994 (UWM/COADS).** *NODC Environmental Information Bulletin* 99-1.

NODC Staff. (2007). **World Ocean Database Expended.** *Bulletin of the American Meteorological Society*, 88(1), 21.

NODC Staff. (2009). **World Ocean Database.** *EOS*, 90(49).

Oakleaf, M., & Kaske, N. (2009). **Guiding questions for assessing information literacy in higher education.** *portal: Libraries and the Academy*, 9(2), 273-286.

Oguma, S., Suzuki, T., Levitus, S., & Nagata, Y. (2003). **Skewed occurrence frequency of water temperature and salinity in the subarctic regions.** *Journal of Oceanography*, 59(6), 921-929. doi: 10.1023/b:joce.0000009581.50905.39

Palmer, M. D., Antonov, J., Barker, P., Bindoff, N., Boyer, T., Carson, M., Domingues, C. M., Gille, S., Gleckler, P., Good, S., Gouretski, V., Guinehut, S., Haines, K., Harrison, D. E., Ishii, M., Johnson, G. C., Levitus, S., Lozier, M. S., Lyman, J. M., Meijers, A., von Schuckmann, K., Smith, D., Wijffels, S., Willis, J. (2010). **Future observations for monitoring global ocean heat content.** In: *Proceedings of OceanObs09: Sustained Ocean Observations and Information for Society* (v. 2).

Online access:

ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/future_observations_for_monitoring.pdf

Paraso, M. C., Ford, S. E., Powell, E. N., Hofmann, E. E., & Klinck, J. M. (1999). **Modeling the MSX parasite in eastern oyster (*Crassostrea virginica*) populations. II. Salinity effects.** *Journal of Shellfish Research*, 18(2), 501-516.

Perlroth, I., & Simpson, L. (1962). **Persistence of sea surface temperature patterns.** *Undersea Technology* 3 (4), 16-22.

Peterson, T. C., Baringer, M. O., Thorne, P. W., Menne, M. J., Kennedy, J. J., Christy, J., . . . Lander, M. A. (2009). **State of the Climate in 2008.** *Bulletin of the American Meteorological Society*, 90(8), S13-+. doi: 10.1175/BAMS-90-8-StateoftheClimate

Picciolo, A. R. (1960). **The development of the anterior interhaemal spine of *Eucinostomus argenteus* Baird and Girard.** *Copeia*, 1960 (1), 70-71.

Picciolo, A. R. (1960). **Sex discrimination in species of *Colisa* and *Trichogaster*.** *Anatomical Record*, 138 (3), 376.

Picciolo, A. R. (1963). **NODC.** *AIBS Bulletin*, 13 (5), 38-40.

- Picciolo, A. R., & Molo, W. L. (1963). National Oceanographic Data Center. *American Zoologist*, 3 (3), 294-296.
- Picciolo, A. R. (1964). **Sexual and nest discrimination in anabantid fishes of the genera *Colisa* and *Trichogaster***. *Ecological Monographs*, 34 (1), 53-77.
- Picciolo, A. R. (1968). **The national marine data base**. *Bioscience*, 18 (10), 958-959.
- Picciolo, A. R. (1994). **Coral reef preservation project in Belize gets support from NODC**. *Earth System Monitor*, 4 (4), 10-11.
- Previdi, M., Liepert, B. G., Peteet, D., Hansen, J., Beerling, D. J., Broccoli, A. J., . . . Ramaswamy, V. (2013). **Climate sensitivity in the Anthropocene**. *Quarterly Journal of the Royal Meteorological Society*, 139(674), 1121-1131. doi: 10.1002/qj.2165
- Reagan, J., T. Boyer, J. Antonov, and M. Zweng. (2014). **Comparison analysis between Aquarius sea surface salinity and World Ocean Database in situ analyzed sea surface salinity**. *Journal of Geophysical Research–Oceans*, 119, 8122–8140, doi:10.1002/2014JC009961.
- Reverdin, G., Cayan, D., Dooley, H. D., Ellett, D. J., Levitus, S., Dupenhoat, Y., & Dessier, A. (1994). **Surface salinity of the North-Atlantic - can we reconstruct its fluctuations over the last 100 years**. *Progress in Oceanography*, 33(4), 303-346. doi: 10.1016/0079-6611(94)90021-3
- Reynolds, R. W., Smith, T. M., Liu, C., Chelton, D. B., Casey, K. S., & Schlax, M. G. (2007). **Daily high-resolution-blended analyses for sea surface temperature**. *Journal of Climate*, 20(22), 5473-5496. doi: 10.1175/2007jcli1824.1
- Rixen, M., Beckers, J. M., Levitus, S., Antonov, J., Boyer, T., Maillard, C., . . . Zavatarelli, M. (2005). **The Western Mediterranean Deep Water: A proxy for climate change**. *Geophysical Research Letters*, 32(12). doi: 10.1029/2005gl022702
- Sackett, W. M., & Conkright, M. E. (1997). **Summary and re-evaluation of the high-temperature isotope geochemistry of methane**. *Geochimica Et Cosmochimica Acta*, 61(9), 1941-1952. doi: 10.1016/s0016-7037(97)00039-2
- Sandwell, D. T., & Smith, W. H. F. (1997). **Marine gravity anomaly from GEOSAT and ERS-1 satellite altimetry**. *Journal of Geophysical Research*, 102 (B5), 10039-10054.
- Seidov, D. (2008). **Heat transport, oceanic and atmospheric**. In: *Encyclopedia of Paleoclimatology and Ancient Environments*. New York: Springer. 407-409.
- Seidov, D., Antonov, J. I., Arzayus, K. M., Baranova, O. K., Biddle, M., Boyer, T. P., . . . Zweng, M.M (2015). **Oceanography North of 60°N from World Ocean Database**. *Progress in Oceanography*, 153-173. doi:10.1016/j.pocean.2014.02.003 (<http://dx.doi.org/10.1016/j.pocean.2014.02.003>)
- Selig, E. R., Casey, K. S., & Bruno, J. F. (2010). **New insights into global patterns of ocean temperature anomalies: implications for coral reef health and management**. *Global Ecology and Biogeography*, 19(3), 397-411. doi: 10.1111/j.1466-8238.2009.00522.x

Selig, E. R., Casey, K. S., & Bruno, J. F. (2012). **Temperature-driven coral decline: the role of marine protected areas.** *Global Change Biology*, 18(5), 1561-1570. doi: 10.1111/j.1365-2486.2012.02658.x

Selkoe, K. A., Halpern, B. S., Ebert, C. M., Franklin, E. C., Selig, E. R., Casey, K. S., . . . Toonen, R. J. (2009). **A map of human impacts to a "pristine" coral reef ecosystem, the PapahAnaumokuAkea Marine National Monument.** *Coral Reefs*, 28(3), 635-650. doi: 10.1007/s00338-009-0490-z

Selkoe, K. A., Kappel, C. V., Halpern, B. S., Micheli, F., D'Agrosa, C., Bruno, J., Watson, R. (2008). **Response to comment on "a global map of human impact on marine ecosystems".** *Science*, 321(5895). doi: 10.1126/science.1158007

Smith, W. H. F., & Sandwell, D. T. (1997). **Global sea floor topography from satellite and depth soundings.** *Science* 277 (5334), 1956-1962.

Smolyar, I. & Adrov, N. (1997). **Annual and interannual cycles of the Atlantic Water in the Barents Sea.** *ICES CM*, 1997/R:12, 142p.

Smolyar, I. & Adrov, N. (2003). **The quantitative definition of the Barents Sea Atlantic Water: mapping of the annual climatic cycle and interannual variability.** *Ices Journal of Marine Science*, 60(4), 836-845. doi: 10.1016/s1054-3139(03)00071-7

Online access: ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/is_ices.pdf

Smolyar, I. V. & Bromage, T. G. (2004). **Discrete model of fish scale incremental pattern: a formalization of the 2D anisotropic structure.** *Ices Journal of Marine Science*, 61(6), 992-1003. doi: 10.1016/j.icesjms.2004.07.013

Smolyar, I., Levitus, S. & Tatusko, R. (2003). **Oceanographic database for the study of the Arctic climatic system.** *NOAA Earth System Monitor*, 13(4).

Smolyar, I., Makarevich, P., Timofeev, S. & Zuyev, A. (2000). **Biological atlas of the Barents and Kara Seas.** *NOAA/Earth System Monitor*, 11(2).

Son, Y. B., Gardner, W. D., Mishonov, A. V., & Richardson, M. J. (2009). **Model-based remote sensing algorithms for particulate organic carbon (POC) in the Northeastern Gulf of Mexico.** *Journal of Earth System Science*, 118(1), 1-10. doi: 10.1007/s12040-009-0001-1

Son, Y. B., Gardner, W. D., Mishonov, A. V. & Richardson, M. J. (2009). **Multispectral remote-sensing algorithms for particulate organic carbon (POC): The Gulf of Mexico.** *Remote Sensing of Environment*, 113(1), 50-61. doi: 10.1016/j.rse.2008.08.011

Stat, M., Pochon, X., Franklin, E. C., Bruno, J. F., Casey, K. S., Selig, E. R., & Gates, R. D. (2013). **The distribution of the thermally tolerant symbiont lineage (*Symbiodinium* clade D) in corals from Hawaii: correlations with host and the history of ocean thermal stress.** *Ecology and Evolution*, 3(5), 1317-1329. doi: 10.1002/ece3.556

Stathoplos, L. & Hare, P. E. (1993). **Bleaching removes amino acids from deep sea planktonic foraminiferal shells.** *Journal of Foraminiferal Research*, 23(2), >102-107.

Stathoplos, L. & Tuross, N. (1994). **Proteins and DNA from modern planktonic foraminifera.** *Journal of Foraminiferal Research*, 24, 49-59.

Stephens, C., Levitus, S., Antonov, J., & Boyer, T. P. (2001). **On the Pacific Ocean regime shift.** *Geophysical Research Letters*, 28(19), 3721-3724. doi: 10.1029/2000gl012813
Online access: <ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/g11627w1.pdf>

Stouffer, R. J., Seidov, D., & Haupt, B. J. (2007). **Climate response to external sources of freshwater: North Atlantic versus the Southern Ocean.** *Journal of Climate*, 20, 436-448.
Online access:
ftp://ftp.nodc.noaa.gov/pub/data.nodc/woa/PUBLICATIONS/Stouffer_Seidov_JCL_2007.pdf

Sun, L. C. (1999). **Data inter-operability driven by oceanic data assimilation needs.** *Marine Technology Society Journal*, 33(3), 55-66.

Sun, L. C., & Niou, S. S. (2000). **Building the Web-based time-series database at the U. S. National Oceanographic Data Center.** *EOS, Transactions, American Geophysical Union*, 81 (19), S282.

Tai, C. K. (1998). **On the spectral ranges that are resolved by a single satellite in exact-repeat sampling mode.** *Journal of Atmospheric and Oceanic Technology*, 15(6), 1459-1470. doi: 10.1175/1520-0426(1998)015<1459:otsrta>2.0.co;2

Theberge, Albert E., Jr. (1980). **The State Geothermal Mapping Program.** *Geothermal Resources Council Bulletin*, 9 (11), 3-4.

Theberge, Albert E., Jr. (1989). **Sounding pole to sea beam.** In: *Technical Papers 1989 ASPRS/ACSM Annual Convention; Surveying and Cartography*, 5, 334-346.
Online access: <http://www.photolib.noaa.gov/cgs/sound.html>

Theberge, Albert E., Jr. (1992). **Charting the Americas - 500 Years of Progress.** *The Portolan*, No. 23, pp. 13-21.

Theberge, Albert E., Jr. (1992). **Charting the Americas - 500 Years of Progress.** In: *Proceedings, U.S. Hydrographic Conference, Exploration Age to Information Age, February 25-28, 1992*, p. 11-18.

Theberge, Albert E., Jr. (1997). **History of ocean instrumentation – the first century of the twentieth century.** *Earth System Monitor*, 18 (4), 4, 10.
Online access: http://www.nodc.noaa.gov/General/NODCPubs/ESM/ESM_JUN2011vol18no4.pdf

Theberge, Albert E., Jr. (1997). **The NOAA Central Library and coastal ocean information.** *Earth System Monitor*, 8 (1), 5-8.

Theberge, Albert E., Jr. (1997). **WINDandSEA: an Internet locator for the oceanic and atmospheric sciences.** *Earth System Monitor* 8 (2), 14.
Online access: http://www.nodc.noaa.gov/General/NODCPubs/ESM/ESM_DEC97vol8no2.pdf

Theberge, Albert E., Jr. (1997). **The Coast and Geodetic Survey album.** *Earth System Monitor*, 8 (3), 11-12, 16.

Theberge, Albert E., Jr. (1998). **Exploring with the NOAA Central Library.** *Earth System Monitor*, 9 (2), 8-10.

Theberge, Albert E., Jr. (2005). **The NOAA Central Library: a resource for historians and scientists.** *AIP History Newsletter*, 37(2), 4.

Theberge, Albert E., Jr. (2006). **Coast surveyors on the pioneer coast.** In: Charting our destiny: U.S. Coast Survey in the Pacific, 1807-2007. *Mains'l Haul the Journal of Pacific Maritime History*, 42(2/3) Online access:

http://docs.lib.noaa.gov/noaa_documents/NESDIS/NODC/LISD/Central_Library/charting_our_destiny_2006.pdf

Theberge, Albert E., Jr. (2006). **Marching with John W. Donn and Frederic W. Dorr: a reminiscence of a Civil War topographer.** *The Portolan*, 66.

Theberge, Albert E., Jr. (2007). **The Navy and the Coast Survey: 1834 - 1898.** *Sea History*, 120, 32-35.

Theberge, Albert E., Jr. (2008). **Challenger: the life of a survey ship.** *Hydro International*, 12(5) Online access: http://www.hydro-international.com/issues/articles/id937-Challenger_the_Life_of_aSurvey_Ship.html

Theberge, Albert E., Jr. (2008). **Thirty years of discovering the Mariana Trench.** *Hydro International*, 12(8)

Online access: http://www.hydro-international.com/issues/articles/id1049-Thirty_Years_of_Discovering_the_Mariana_Trench.html

Theberge, Albert E., Jr. (2008). **An early search for vigias.** *Hydro International*, 12(10)

Online access: http://www.hydro-international.com/issues/articles/id1001-An_Early_Search_for_Vigias.html

Theberge, Albert E., Jr. (2009). **System without fixed points. Development of the radio-acoustic ranging navigation technique (Part 1).** *Hydro International*, 13(1)

Online access: http://www.hydro-international.com/issues/articles/id1012-System_Without_Fixed_Points.html

Theberge, Albert E., Jr. (2009). **Charting the data. Development of the radio-acoustic ranging navigation technique (Part 2).** *Hydro International*, 13(2)

Online access: http://www.hydro-international.com/issues/articles/id1040-Charting_the_Data.html

Theberge, Albert E., Jr. (2009). **First developments of electronic navigation systems. How television 'ghosts' contributed to positioning.** *Hydro International*, 13(3)

Online access: http://www.hydro-international.com/issues/articles/id1060-First_Developments_of_Electronic_Navigation_Systems.html

Theberge, Albert E., Jr. (2009). **Pathfinder. An incident at Guadalcanal.** *Hydro International*, 13(5)

Online access: <http://www.hydro-international.com/issues/articles/id1079-Pathfinder.html>

Theberge, Albert E., Jr. (2009). **Getting to California. The Coast Survey and the Gold Rush.** *Hydro International*, 13(6)

Online access: http://www.hydro-international.com/issues/articles/id1095-Getting_to_California.html

Theberge, Albert E., Jr. (2009). **The making of an Earth measurer.** *Hydro International*, 13(7)

Online access: http://www.hydro-international.com/issues/articles/id1111-The_Making_of_an_Earth_Measurer.html

Theberge, Albert E., Jr. (2009). **Aircraft lost at sea. An early search.** *Hydro International*, 13(9)

Online access:

http://www.hydro-international.com/issues/articles/id1133-Aircraft_Lost_at_Sea.html

Theberge, Albert E., Jr. (2009). **The survey of the Philippine Islands.** *Hydro International*, 13(10)

Online access: http://www.hydro-international.com/issues/articles/id1144-The_Survey_of_the_Philippine_Islands.html

Theberge, Albert E., Jr. (2010). **The Battle of Port Royal Sound.** *Hydro International*, 14(3)

Online access: http://www.hydro-international.com/issues/articles/id1180-The_Battle_of_Port_Royal_Sound.html

Theberge, Albert E., Jr. (2010). **CPS-98: an odd geodetic survey crew.** *Hydro International*, 14(4)

Online access: http://www.hydro-international.com/issues/articles/id1194-CPS_An_Odd_Geodetic_Survey_Crew.html

Theberge, Albert E., Jr. (2010). **A lucky ship – a lucky man.** *Hydro International*, 14(5)

Online access: http://www.hydro-international.com/issues/articles/id1214-A_Lucky_Ship_A_Lucky_Man.html

Theberge, Albert E., Jr. (2010). **Some early German contributions to oceanography.** *Hydro International*, 14(6)

Online access: http://www.hydro-international.com/issues/articles/id1227-Some_Early_German_Contributions_to_Oceanography.html

Theberge, Albert E., Jr. (2010). **CPS-98—An Odd Geodetic Survey Crew.** *The American Surveyor*, 7(9)

Online access: http://www.amerisurv.com/PDF/TheAmericanSurveyor_Theberge-CPS98_Vol7No9.pdf

Theberge, Albert E., Jr. (2010). **The NOAA Central Library – 200 years and counting.** *Earth System Monitor*, 18(3), 5.

Online access: http://www.nodc.noaa.gov/General/NODCPubs/ESM/ESM_DEC2010vol18no3.pdf

Theberge, Albert E., Jr. (2010). **Short history of the development of oceanographic instrumentation through the nineteenth century.** *Earth System Monitor*, 18(3), 6.

Online access: http://www.nodc.noaa.gov/General/NODCPubs/ESM/ESM_DEC2010vol18no3.pdf

Theberge, Albert E., Jr. (2010). **The history of seafloor mapping**. In: *Ocean Globe*, 237-274. Redlands, CA: ESRI Press Academic.

Theberge, Albert E., Jr. (2011). **The Siboga Expedition: biological, hydrographic and oceanographic accomplishments in the late 19th century**. *Hydro International*, 15(1)

Online access: http://www.hydro-international.com/issues/articles/id1239-The_Siboga_Expedition.html

Theberge, Albert E., Jr. (2011). **The discovery of long-distance sound transmission in the ocean: the deep sound channel**. *Hydro International*, 15(2)

Online access: http://www.hydro-international.com/issues/articles/id1255-The_Discovery_of_LongDistance_Sound_Transmission_in_the_Ocean.html

Theberge, Albert E., Jr. (2011). **Alaska – the wild coast: still a frontier area for hydrographic surveyors**. *Hydro International*, 15(3)

Online access: http://www.hydro-international.com/issues/articles/id1267-Alaska_The_Wild_Coast.html

Theberge, Albert E., Jr. (2011). **In advance of the infantry: an extraordinary artillery surveyor**. *Hydro International*, 15(4)

Online access: http://www.hydro-international.com/issues/articles/id1282-In_Advance_of_the_Infantry.html

Theberge, Albert E., Jr. (2011). **Some early observations on tidal bores**. *Hydro International*, 15(5)

Online access: http://www.hydro-international.com/issues/articles/id1297-Some_Early_Observations_on_Tidal_Bores.html

Theberge, Albert E., Jr. (2011). **Bilby towers: a great technology**. *Hydro International*, 15(6)

Online access: http://www.hydro-international.com/issues/articles/id1309-Bilby_Towers.html

Theberge, Albert E., Jr. (2012). **Clumbungies, lemons and cranky little vessels**. *Hydro International*, 16(1)

Online access: http://www.hydro-international.com/issues/articles/id1326-Clumbungies,_Lemons_and_Cranky_Little_Vessels.html

Theberge, Albert E., Jr. (2012). **Understanding the unthinkable: the Titanic disaster and its aftermath**. *Hydro International*, 16(2)

Online access: http://www.hydro-international.com/issues/articles/id1336-Understanding_the_Unthinkable.html

Theberge, Albert E., Jr. (2012). **The longest line**. *Hydro International*, 16(3)

Online access: http://www.hydro-international.com/issues/articles/id1351-The_Longest_Line.html

Theberge, Albert E., Jr. (2012). **Deep-sea soundings from boats: an early technology**. *Hydro International*, 16(4)

Online access: http://www.hydro-international.com/issues/articles/id1360-Deepsea_Soundings_from_Boats.html

Theberge, Albert E., Jr. (2012). **The Myth of the Telegraphic Plateau**. *Hydro International*, 16(6)

Online access: http://www.hydro-international.com/issues/articles/id1384-The_Myth_of_the_Telegraphic_Plateau.html

Theberge, Albert E., Jr. (2012) **Horses, Hydrographers, and Hypsography.** Hydro International 16(7)
Online access: http://www.hydro-international.com/issues/articles/id1397-Horses,_Hydrographers_and_Hypsography.html

Theberge, Albert E., Jr. (2012). **Life and Death of a Survey Ship.** Hydro International. 16(8)
Online access: http://www.hydro-international.com/issues/articles/id1414-Life_and_Death_of_a_Survey_Ship.html

Theberge, Albert E., Jr. (2012). **George E. Marsh: dust bowl gypsy.** *The American Surveyor*, 9(5)
Online access: http://www.amerisurv.com/PDF/TheAmericanSurveyor_Theberge-DustBowlGypsy_Vol9No5.pdf
Online access: <http://www.amerisurv.com/content/view/10127/> (text only)

Theberge, Albert E., Jr. (2013). **Locating Cagayan Sulu.** Hydro International. 17(1)
Online access: http://www.hydro-international.com/issues/articles/id1425-Locating_Cagayan_Sulu.html

Theberge, Albert E., Jr. (2013). **The Northern Barrage.** Hydro International. 17(2)
Online access: http://www.hydro-international.com/issues/articles/id1442-The_Northern_Barrage.html

Theberge, Albert E., Jr. (2013). **First Command.** Hydro International. 17(3)
Online access: http://www.hydro-international.com/issues/articles/id1457-First_Command.html

Theberge, Albert E., Jr. (2013). **A Note on Fifty Years of Multi-beam.** Hydro International. 17(4)
Online access: http://www.hydro-international.com/issues/articles/id1471-A_Note_on_Fifty_Years_ofMultibeam.html

Theberge, Albert E., Jr. (2013). **HURRICANE!** Hydro International. 17(5)
Online access: <http://www.hydro-international.com/issues/articles/id1477-HURRICANE.html>

Theberge, Albert E., Jr. (2013). **Trucks - The Early Years.** The American Surveyor. 10(7)
Online access: http://www.amerisurv.com/PDF/TheAmericanSurveyor_Theberge-TrucksTheEarlyYears_Vol10No7.html

Theberge, Albert E., Jr. (2013). **Collision at Sea: The Loss of the Coast Survey Steamer Robert J. Walker.** Hydro International. 17(7). Online access: http://www.hydro-international.com/issues/articles/id1506-Collision_at_Sea.html

Delgado, J., Pradith, V., Theberge, Albert E., Jr. (2013). **Identification of the Wreck of the U.S.C.S. S. Robert J. Walker.** Hydro International. 17(8). Online access:
http://www.hydro-international.com/issues/articles/id1527-Identification_of_the_Wreck_of_the_USCSS_Robert_J_Walker.html

Theberge, Albert E., Jr. (2014). **Large of Spirit A Great Woman Explorer: Louise A. Boyd.** Hydro International. 18 (1). Online access: http://www.hydro-international.com/issues/articles/id1539-Large_of_Spirit.html

Theberge, Albert E., Jr. (2014). **George Belknap and the Thomson Sounding Machine.** *Hydro International*. 18 (2). Online access: http://www.hydro-international.com/issues/articles/id1547-George_Belknap_and_the_Thomson_Sounding_Machine.html

Theberge, Albert E., Jr. (2014). **A Casualty of War.** *Hydro International*. 18 (3). Online access: http://www.hydro-international.com/issues/articles/id1560-A_Casualty_of_War.html

Penry, J. and Theberge, Albert E., Jr. (2014). **The Drifters.** *Hydro International*. 18 (4). Online access: http://www.hydro-international.com/issues/articles/id1574-The_Drifters.html

Theberge, Albert E., Jr. (2014). **Discovering the True Nature of the Mid-Atlantic Ridge: Part I..** *Hydro International*. 18 (6). Online access: http://www.hydro-international.com/issues/articles/id1604-Discovering_the_True_Nature_of_the_MidAtlantic_Ridge_Part_I.html

Theberge, Albert E., Jr. (2014). **Unravelling the Ridge and Rift: Part II.** *Hydro International*. 18 (7). Online access: http://www.hydro-international.com/issues/articles/id1618-Unravelling_the_Ridge_and_Rift.html

Theberge, Albert E., Jr. (2014). **Seeking a Rift: Confused by Fracture Zones: Part III.** *Hydro International*. 18 (8). Online access: http://www.hydro-international.com/issues/articles/id1623-Seeking_a_Rift.html

Theberge, Albert E., Jr. 2014. **1584 the age of discovery: Waghenaer.** In: The Times History of the World in Maps. Times Books. London. Pp. 80-83.

Theberge, Albert E., Jr. 2014. **1876 ocean exploration: mapping the ocean floor.** In: The Times History of the World in Maps. Times Books. London. Pp. 152-155.

Theberge, Albert E., Jr. (2013). **Trucks - The Early Years.** *The American Surveyor*. 10(7) Online access: http://www.amerisurv.com/PDF/TheAmericanSurveyor_Theberge-TrucksTheEarlyYears_Vol10No7.pdf

Theberge, Albert E., Jr. (2013). **Velocipedes.** *The American Surveyor*. August 2013. 10(9) Online access: http://www.amerisurv.com/PDF/TheAmericanSurveyor_Theberge-Velocipedes_Vol10No9.pdf

Theberge, Albert E., Jr. (2013). **Leveling a Nation.** *The American Surveyor*. 10(11) Online access: http://www.amerisurv.com/PDF/TheAmericanSurveyor_Theberge-LevelingANation_Vol10No11.pdf

Theberge, Albert E., Jr. (2014). **Wooden Towers.** *The American Surveyor*. June 2014. 11(6) Online access: <http://www.amerisurv.com/content/view/12706/153/>

Theberge, Albert E., Jr. (2014). **The Crews.** *The American Surveyor*. August 2014. 11(8). Online access: <http://www.amerisurv.com/content/view/12913/153/>

Theberge, Albert E., Jr. (2014). **The Artillery Surveyors in World War II: Africa and Europe. Part 1 of 3: In Advance of the Infantry.** *The American Surveyor*. Nov. –Dec. 2014. 11 (11). Online access: <http://www.amerisurv.com/content/view/13252/153/>

Theberge, Albert E., Jr. (2015). **The Artillery Surveyors in World War II: Africa and Europe. Part 2 of 3: Quite Different From C&GS Work.** *The American Surveyor*. January 2015. 12 (1).
<http://www.amerisurv.com/content/view/13358/153/>

Theberge, Albert E., Jr. (2015). **The Artillery Surveyors in World War II: Africa and Europe. Part 3 of 3: Survey Officers.** *The American Surveyor*. February 2015. 12 (2) . Online access:
<http://www.amerisurv.com/content/view/13436/153/>

Tikku, A. A., & Cande, S. C. (1999). **The oldest magnetic anomalies in the Australian-Antarctic basin: Are they really isochrons?** *Journal of Geophysical Research* 104 (B1), 661-667.

Trenberth, K., Angell, J., Barry, R., Bradley, R., Diaz, H., Elliott, W., Etkins, R., Folland, C., Jenne, R., Jones, P., Karl, T., Levitus, S., Oort, A., Parker, D., Ropelewski, C., Vinnikov, K., & Wigley, T. (1991). **Working Group I: Observations, in greenhouse-gas-induced climatic change: a critical appraisal of simulations and observations**, Elsevier, New York, pp. 571-582.

Tuross, N. & Stathoplos, L. (1993). **Ancient proteins in fossil bones.** *Methods in Enzymology*, 224, 121-129.

Vazquez-Cuervo, J., Armstrong, E. M., Casey, K. S., Evans, R., & Kilpatrick, K. (2010). **Comparison between the Pathfinder versions 5.0 and 4.1 sea surface temperature datasets: a case study for high resolution.** *Journal of Climate*, 23(5), 1047-1059. doi: 10.1175/2009jcli2839.1

Venezia, W., Baxley, W., Tatro, P., Dhanak, M., Driscoll, R., Beaujean, P. P., . . . Carter, K. (2003). **SFOMC: A successful navy and academic partnership providing sustained ocean observation capabilities in the Florida Straits.** *Marine Technology Society Journal*, 37(3), 81-91.

Watts, C. (1995). **Global change information.** *EPA Information Access*, 54 (6), 15-16.

Watts, C., Anderson, D., & Kadec, S. (1995). **Environmental information - snapshots through time.** *Bulletin of the American Society for Information Science*, 21(4), 9-10.

Watts, C., Burley, C. J., Rand, R. Y., Lide, D. R., Blixrud, J., Elswick, S., McCone, G., & Kuhn, P. M. (1995). **Libraries, global change data, and information management.** *Library Hi Tech*, 13 (1-2), 26-42.

Watts, C. B., O'Donnell, N., & Edstrom, C. (1997). **Researching aquaculture at the NOAA libraries.** *Earth System Monitor*, 8 (2), 12-13, 16.

Waugh, D. W., Keating, S. R., & Chen, M. L. (2012). **Diagnosing Ocean Stirring: Comparison of Relative Dispersion and Finite-Time Lyapunov Exponents.** *Journal of Physical Oceanography*, 42(7), 1173-1185. doi: 10.1175/jpo-d-11-0215.1

Whitworth, T., Warren, B. A., Nowlin, W. D., Rutz, S. B., Pillsbury, R. D., & Moore, M. I. (1999). **On the deep western-boundary current in the Southwest Pacific Basin.** *Progress in Oceanography*, 43 (1), 1-54.

Winn, H. E., & Picciolo, A. R. (1960). **Communal spawning behavior of the glassy darter, *Etheostoma vitreum*.** *Copeia*, 1960 (3), 186-192.

Xie, T., Boyer, T., Bayler, E., Xue, Y., Byrne, D., Reagan, J., Locarnini, R., Sun, F., Joyce, R., Kumar, A. (2014). **An in situ-satellite blended analysis of global sea surface salinity.** *Journal of Geophysical Research: Oceans*. 119, 6140-6160. doi: 10.1002/2014JC010046. Online Access: http://data.nodc.noaa.gov/woa/PUBLICATIONS/Xie_et_al_2014_JGRO-BASS.pdf

Xue, Y., Balmaseda, M., Boyer, T., Ferry, N., Good, S., Ishikawa, I., Kumar, A., Rienecker, M., Rosati, T., & Yin, Y. (2012). **A comparative analysis of upper ocean heat content variability from an ensemble of operational ocean reanalyses.** *Journal of Climate*, 25(20), 6905-6929. doi:10.1175/JCLI-D-11-00542.1

Yashayaev, I., D. Seidov and E. Demirov. (2015). **A new collective view of oceanography of the Arctic and North Atlantic basins.** *Progress in Oceanography*, v 132, p. 1-21. doi:10.1016/j.pocean.2014.12.012

Yashayaev, I. and D. Seidov. (2015). **The role of the Atlantic Water in multidecadal ocean variability in the Nordic and Barents Seas.** *Progress in Oceanography*, v 132, p. 68-127; doi:10.1016/j.pocean.2014.11.009

Yashayev, I. , Seidov, D., Demirov, E., editors. (2015). *Progress in Oceanography. Special issue: Oceanography of the Arctic and North Atlantic Basins.* 132 (2015).

Young-Molling, C., da Silva, A., & Levitus, S. (1998). **New volumes planned for release in the Atlas of Surface marine Data series.** *NOAA/Earth System Monitor*, 8(3).

Zawada, D. G., Zaneveld, R. R. V. , Boss, E., Gardner, W. D., Richardson, M. J., Mishonov, A. V. (2005). **A comparison of hydrographically and optically derived mixed layer depths.** *Journal of Geophysical Research-Oceans*, 110, C11001, doi:1029/2004JC002417.

Zeng, J. Y., Nojiri, Y., Murphy, P. P., Wong, C. S., & Fujinuma, Y. (2002). **A comparison of Delta pCO₂ distributions in the northern North Pacific using results from a commercial vessel in 1995-1999.** *Deep-Sea Research Part II-Topical Studies in Oceanography*, 49(24-25), 5303-5315. doi: 10.1016/s0967-0645(02)00192-3

Zhang, R. H., & Levitus, S. (1996). **Structure and evolution of interannual variability of the tropical Pacific upper ocean temperature.** *Journal of Geophysical Research-Oceans*, 101(C9), 20501-20524. doi: 10.1029/96jc01805

Zhang, R. H., & Levitus, S. (1997). **Interannual variability of the coupled tropical Pacific ocean-atmosphere system associated with the El Nino southern oscillation.** *Journal of Climate*, 10(6), 1312-1330. doi: 10.1175/1520-0442(1997)010<1312:ivotct>2.0.co;2

Zhang, R. H., & Levitus, S. (1997). **Structure and cycle of decadal variability of upper-ocean temperature in the North Pacific.** *Journal of Climate*, 10(4), 710-727. doi: 10.1175/1520-0442(1997)010<0710:sacodv>2.0.co;2

V. Authors Index

A

- Aarup, T., p. 96
Abney, Diana L., p. 14
Abraham, J. P., p. 82
Abram, Richard J., p. 29
AchutaRao, K. M., p. 88
Adrov, N., p. 12, 15, 25, 39, 95, 99
Agapova, T. A., p. 58
Agricole, W., p. 96
Anagnostou, C., p. 91
Anderson, Dottie, p. 82, 87, 106
Angell, J., p. 106
Antonov, John, p. 16, 47-58, 67, 77-78, 82-85, 87, 89-90, 92-93, 97-100
Arino, O., p. 86
Arkhipova, O., p. 16
Armstrong, E., p. 86, 106
Arnold, J., p. 82
Arnone, R., p. 92
Arzayus, K. M., p. 98
Arzhanova, N., p. 23
Ashby, Charlotte, p. 27
Aucan, J. P., p. 85
Auladell, M., p. 82
Avery, Kenneth R., p. 24, 33-34

B

- Baker-Yeboah, S., p. 83
Balmaseda, M., p. 83, 107
Baranova, Olga, p. 12, 16, 52-57, 93, 98
Bargeski, Albert M., p. 19, 36
Baringer, M. O., p. 82, 97
Barker, P., p. 97
Barnett, T. P., p. 88
Barron, C. N., p. 89-91
Barry, R., p. 106
Bartolacci, D. M., p. 11
Barton, A. D., p. 83
Barton, I., p. 86

Bassett, R., p. 83
Baxley, W., p. 106
Bayler, E., p. 107
Beard, R., p. 83
Beattie, J., p. 87
Beaujean, P. P., p. 106
Beckers, J. M., p. 98
Beig, A. A., p. 58
Belkin, I. M., p. 83
Bello, Maria, p. 40, 43
Belter, Chris, p. 9, 15, 19, 36, 41, 60, 75, 83
Bentley, C. R., p. 86
Berdnikov, S., p. 9, 15, 95
Berger, V. J., p. 8
Biddle, M. M., p. 52, 98
Bilham, R., p. 86
Bindoff, N., p. 82, 91, 97
Bishop, L., p. 89
Blade, I., p. 88
Blixrud, J., p. 106
Boehlert, G. W., p. 83
Bohnsack, James A., p. 40
Boos, H. A. E., p. 89
Boss, E., p. 107
Boyde, A., p. 84
Boyer, Timothy P., p. 11, 15, 25, 39, 47-57, 66, 77-78, 82-91, 93-95, 97-98, 100, 107
Bradley, R., p. 106
Braunstein, A., p. 15, 25
Broccoli, A. J., p. 94, 98
Bromage, T. G., p. 84, 99
Brundrit, G., p. 96
Bruno, J. F., p. 85, 89, 96, 98-99
Burgett, Russell, p. 47
Burley, C. J., p. 106
Burnett, W., p. 83
Busalacchi, A. J., p. 96
Buzan, A., p. 15, 25
Byrne, D. A., p. 83, 107

C

Caldwell, P., p. 13, 68, 85, 88
Cande, S. C., p. 106
Cantillo, A. Y., p. 14-15, 40
Capurro, Luis R. A., p. 36
Carnes, M. R., p. 90
Carson, M., p. 97
Carton, J. A., p. 86, 88
Casey, B., p. 92

- Casey, K. S., p. 83, 85-86, 91, 98-99, 106
Casey, N. W., p. 89
Carter, Emile N., p. 64
Carter, K., p. 106
Cayan, D., p. 98
Chandler, C. L., p. 88
Chang-Seng, D., p. 96
Chelton, D. B., p. 98
Cheney, Robert E., p. 16, 96
Cheng, L. J., p. 82, 86, 95
Chepurin, G. A., p. 88
Chico, R. A., p. 84
Chikin, A., p. 16
Chisi, J., p. 84
Christy, J., p. 97
Church, J. A., p. 82, 88
Churgin, J., p. 42, 85
Cloud, J., p. 85
Cohen, R., p. 85
Coleman, C., p. 57, 93
Collins, Donald, p. 29, 87
Collins, Elaine V., p. 3, 11, 14, 18, 39, 85
Conkright, Margarita E., p. 11, 39, 47-51, 53-56, 84-86, 89, 94, 98 (see also Gregg, Margarita E.)
Costa, D. P., p. 84
Costa, J., p. 88
Costello, J. H., p. 90
Craig, Bethany, p. 9
Crocker, D. E., p. 83
Crout, R., p. 83
Cruzado, A., p. 88
Cumberpatch, Mary Lou, p. 21, 36, 75
Cummings, J., p. 88

D

- D'Agrosa, C., p. 89, 99
da Silva, A. M., p. 9-19, 86, 88, 107
Dashkevich, L., p. 16
Delworth, T. L., p. 94, 96
DeMaria, M., p. 88
Denisenko, S., p. 12
Denisov, V., p. 12, 95
Derr, V. E., p. 91
Deser, C., p. 96
Dessier, A., p. 98
Dhanak, M., p. 106
Diaz, H., p. 106
Dickey, J. O., p. 86
Dierssen, H. M., p. 86

Dinger, C., p. 18
Dixon, K. W., p. 94
Dobson, Ella B., p. 45
Domingues, C. M., p. 91, 97
Domingues, D. M., p. 88
Donlon, C. J., p. 86, 88
Donguy, J. R., p. 96
Dooley, H., p. 13, 88, 98
Douglas, B. C., p. 86
Drake, Liselle, p. 25
Driscoll, R., p. 106
Druzhkov, L., p. 12
Dubach, Harold W., p. 39
Dupenhoat, Y., p. 98
Durand, F., p. 88, 92
Dye, J., p. 92

E

Eanes, R. J., p. 86
Easterling, D. R., p. 91
Edstrom, C., p. 106
Egorov, Y., p. 23
Ellett, D. J., p. 98
Elliott, W., p. 106
Elsner, J. B., p. 91
Elswick, Stanley, p. 20, 87, 106
Estevez, E. D., p. 15
Etkins, R., p. 106
Evans, R., p. 86, 106

F

Fadyakin, A., p. 15, 25
Fanning, A. F., p. 86, 88
Ferry, N., p. 83, 107
Fillingham, Joe, p. 9
Fiolek, Anna, p. 2-3, 25-26, 30, 37, 40-42, 44, 58, 67, 78, 87
Firestone, Mary A., p. 18
Firing, Y. L., p. 96
Folland, C. K., p. 91, 106
Ford, M. D., p. 90, 95
Ford, S. E., p. 97
Forgy, C., p. 54
Foundy, G., p. 87
Frank, John R., p. 19
Frey, H. R., p. 87
Fu, L. L., p. 96
Fujinuma, Y., p. 96, 107

G

Gage, K. S., p. 96
García-Gómez, J., p. 12
Garcia-Olivares, A., p. 82
Garcia, Hernan E., p. 50-53, 55-58, 77-78, 82, 84, 87-88, 93-95
Gardner, W. D., p. 88, 90-91, 99, 107
Gargopa, Yu., p. 16
Gelfeld, Robert D., p. 29, 53-56, 88, 94
Gentemann, C. L., p. 86, 88
Georgopoulos, D., p. 91
Giese, B. S., p. 88
Gille, S., p. 97
Ginoux, M. E., p. 89
Gleckler, P. J., p. 88, 97
Glover, D. M., p. 88
Goldman, H. M., p. 84
Golikov, A., p. 58
Golubev, V., p. 12, 15, 25, 95
Gomez, S., p. 84
Good, S. A., p. 83, 90-91, 97, 107
Gopalakrishna, V. V., p. 84, 88
Gordon, A. L., p. 83
Gottfried, S., p. 87, 95
Goulding, A. D., p. 88
Gouretski, V., p. 88, 97
Greatbatch, R. J., p. 86, 88
Green, D. M., p. 91
Green, P., p. 84
Gregg, Margarita E. (see: Conkright, Margarita E.)
Gregg, W. W., p. 85-86, 89
Griffith, B., p. 83
Grimes, Doria, p. 14, 41, 44
Grodsky, A., p. 57
Gruzevich, A., p. 23
Guinehut, S., p. 83, 97

H

Hadsell, Phillip R., p. 29
Haines, K., p. 97
Hall, B. D., p. 82
Hall, T., p. 89
Halminski, Sylvester J., p. 33-34
Halpern, B. S., p. 89, 99
Halpern, D., p. 96
Hamilton, Booz Allen, p. 32
Hamilton, D. R., p. 90

Hamilton, M., p. 52
Hansen, G., p. 96
Hansen, J., p. 89, 98
Hardy, J. D., Jr., p. 35, 89, 91, 96
Hare, P. E., p. 99
Harrison, D. E., p. 95-97
Harvell, C. D., p. 85
Haupt, B. J., p. 89, 100
Heard, R. W., p. 96
Heimerdinger, G., p. 18
Helber, R. W., p. 89-91
Herring, T. A., p. 86
Higgins, J. E., p. 91
Hofmann, D. J., p. 91
Hofmann, E. E., p. 97
Hogg, R., p. 84
Hollandsworth, S., p. 89
Hramushin, V., p. 16
Hu, B., p. 84
Hughes, K. H., p. 90
Hurlburt, H. E., p. 90

I

Iliyn, G., p. 12
Isayev, G., p. 90, 94
Ishii, M., p. 88, 97
Ishikawa, I., p. 83, 107

J

Jacob, D., p. 89
Jalickee, J. B., p. 90
Jeffery, C. D., p. 90
Jenne, R., p. 106
Jensen, R., p. 83
Ji, M., p. 96
Jiao, N. Z., p. 90
Jin, Y., p. 88
Johnson, Daphne R., p. 52-58, 87, 94
Johnson, G. C., p. 90-91, 97
Johnson, T., p. 87
Jones, C. S., p. 90
Jones, P., p. 106
Josey, S. A., p. 84
Joyce, R., p. 107
Judson, M., p. 91
Julian, P., p. 96
Juwayeyi, Y. M., p. 84

K

- Kadec, S., p. 106
Kaiser, H., p. 91
Kantha, L., p. 95
Kappel, C. V., p. 89, 99
Kara, A. B., p. 89-91
Karageorgis, A. P., p. 91
Karamusko, O., p. 15, 25
Karl, T. R., p. 91, 106
Kaske, N. K., p. 3, 82, 87, 91-92, 97
Kaula, W. M., p. 86
Keehn, Pauline A., p. 11
Keeling, R. F., p. 88, 92, 95
Kelly, Kathleen A., p. 58, 68
Kennedy, J. J., p. 88, 97
Kilpatrick, K., p. 106
Kimoto, H., p. 96
Kimoto, T., p. 96
Kirwan, A. D., p. 82, 95
Klinck, J. M., p. 97
Koch, D., p. 89
Korablev, A., p. 16
Krasakopoulou, E., p. 91
Kruts, A. A., p. 9, 16
Kuhn, P. M., p. 106
Kuhn, R., p. 46
Kulyagin, V., p. 16
Kumar, A., P. 107
Kuznetsov, A., p. 12
Kuznetsov, L., p. 12
Kurian, N., p. 92

L

- Lacis, A., p. 89
Lacruz, R. S., p. 84
Ladnier, S., p. 87
Lagerloef, G. S. E., p. 86, 96
Lander, M. A., p. 97
Lappo, S., p. 23
Larionov, V., p. 12
Larkin, N. K., p. 96
Lau, S., p. 96
Le Boeuf, B. J., p. 83
Le Quere, C., p. 95
Lean, J., p. 89
Lee, T. p. 83

- Lee, Z., p. 92
Lengaigne, M., p. 88, 92
Levitus, Sydney, p. 8-12, 14-16, 23, 25, 29, 39, 41-42, 47-50, 52-58, 67, 77-78, 82-94, 104-107
Lide, D. R., p. 106
Lindstrom, E., p. 96
Link, J. S., p. 95
Lipphardt, B. L., p. 82, 95
Liu, C., p. 98
Locarnini, R., p. 15, 25, 50-57, 77-78, 84, 87, 93-94, 107
Logan, J., p. 89
Logan, K., p. 95
Lozier, M. S., p. 97
Loukos, H., p. 95
Luchin, N. M. p. 9
Luchin, V., p. 16
Luer, C.A., p. 15
Lueker, T. J., p. 95
Lyman, J. M., p. 90-91, 95, 97

M

- Maillard, C., p. 13, 98
Makarevich, P., p. 12, 99
Makovetskaya, E., p. 23
Malmberg, S.-A., p. 83
Mantyla, A., p. 94
Markhaseva, E. L., p. 58
Marks, K. M., p. 95
Martin, J. M., p. 82-83
Matishov, D., p. 16, 95
Matishov, G., p. 9, 12, 15-16, 25, 94-95
McCone, G., p. 106
McFarlin, S. C., p. 84
McLain, D., p. 36
McLlland, J. A., p. 96
McLeod, E., p. 96
McPhaden, M. J., p. 96
McVey, Eileen, p. 17, 43, 82, 96
Meehl, G., p. 96
Mehta, V., p. 96
Meijers, A., p. 97
Melendy, A. M., p. 85
Menard, Y., p. 96
Menne, M. J., p. 97
Merrifield, M. A., p. 96
Mesick, S., p. 87, 95
Menviel, L., p. 96
Meyers, G., p. 96
Micheli, F., p. 89, 99

Mikhailov, N., p. 13, 41
Mikhailovskiy, Y., p. 23
Minnett, P. J., p. 88
Mishonov, A. V., p. 51-53, 56-57, 84, 88, 90-91, 93-94, 99, 107
Mitchum, G. T., p. 95-96
Moffitt, R., p. 96
Moiseev, D., p. 15, 25
Molo, W. L., p. 98
Monterey, G. I., p. 42, 85
Montes, M. J., p. 92
Moore, J. C., p. 64
Moore, M. I., p. 106
Mordasova, N., p. 23
Mueller, Megan, p. 9
Murphy, P. P., p. 55-56, 95-96, 107

N

Naik, A., p. 84
Naik, S., p. 92
Nagata, Y., p. 97
Najjar, R. G., p. 94
Nalbandov, Y., p. 23
Nalyotova, I., p. 23
Naumov, A. D., p. 8
Nazarenko, L., p. 89
Nevison, C. D., p. 95
Niiler, P. P., p. 96
Nisha, K., p. 88
Nojiri, Y., p. 96, 107
Niou, S, S., p. 100
North, Jeannette P., p. 8-9
Novakov, L., p. 89
Nowlin, W. D., p. 106

O

O'Brien, J. J., p. 90
O'Brien, T., p. 12, 48-57, 83
O'Donnell, N., p. 106
O'Reilly, J. E., p. 89
Oakleaf, M., p. 97
Oguma, S., p. 97
Oguz, T., p. 91
Oort, A., p. 106

P

Page, C. A., p. 85

Palmer, M. D., p. 83, 96-97
Palmer, M. J., p. 96
Paraso, M. C., p. 97
Parker, D., p. 89, 106
Parsons, R., p. 16, 92
Pascual, A., p. 82
Patt, F. S., p. 89
Paver, C. R., p. 52, 57, 84
Pavlova, L., p. 15, 25
Pelegrí, J. L., p. 83
Perlroth, I., p. 97
Perunova, T., p. 15
Peter, A.-C., p. 92
Peterson, T. C., p. 97
Phillips, D., p. 82
Phillips, Katrina, p. 9
Picaut, J., p. 96
Picciolo, A. R., p. 97-98, 106
Pierce, D. W., p. 88
Pikula, Linda, p. . 20, 40, 42, 62
Pillsbury, R. D., p. 106
Pischalnik, V., p. 15
Pitcher, M. T., p. 56
Poje, A. C., p. 95
Pous, S., p. 92
Powell, E. N., p. 97
Provost, C., p. 96
Puigdefabregas, J., p. 88

Q

Quinn, K. J., p. 95

R

Rand, R. Y., p. 106
Rappaport, Edward N., p. 23
Ravichandran, M., p. 84
Rayner, N., p. 86, 89
Reagan, J., p. 52-53, 57, 84, 93, 98, 107
Reid, J. L., p. 94
Reseghetti, F., p. 84
Reverdin, G., p. 98
Ruedy, R., p. 89
Reynolds, R. W., p. 86, 96, 98
Richardson, M. J., p. 88, 90, 99, 107
Richman, J. G., p. 90
Rienecker, M., p. 107
Rixen, M., p. 98

Roberts, Daniel, p. 19
Robinson, I., p. 86, 90
Roessler, M. A., p. 12
Rojstaczek, I., p. 86
Romeiko, L., p. 16
Ropelewski, C., p. 106
Rosati, T., p. 107
Rostov, V., p. 16
Rutz, S. B., p. 106

S

Sackett, W. M., p. 86, 98
Salm, R., p. 96
Sangra, P., p. 82
Sandwell, D. T., p. 98-99
Santer, B. D., p. 88-89
Sarachik, E., p. 96
Sarkisyan, A. S., p. 94
Sato, M., p. 89
Sato, S., p. 13
Sapozhnikov, V., p. 16, 23
Savinov, V., p. 12
Schlax, M. G., p. 98
Schmid, C., p. 93
Schmidt, Thomas W., p. 41-42, 62
Schuyler, Sonja, p. 45
Seidel, D.J., 83
Seidel, H. F., p. 88
Seidov, D., p. 16, 52, 57, 89, 94, 98, 100, 107
Selig, E. R., p. 85, 98-99
Selkoe, K. A., p. 89, 99
Shabas, I., p. 16
Shavikyn, A., p. 12
Shindell, D., p. 89
Shriver, J. F., p. 90
Shustin, V., p. 16
Sienkiewicz, J., p. 88
Signell, R., p. 83
Simpson, L., p. 97
Slobodin, V., p. 15
Smirnov, A., p. 16
Smith, D., p. 97
Smith, N., p. 96
Smith, T. M., p. 83, 98
Smith, W. H. F., p. 86, 98-99
Smolyar, Igor, p. 8-9, 12, 15-16, 23, 25, 39, 55-57, 84, 94-95, 99
Sokolov, O., p. 15
Son, Y. B., p. 99

Sorokina, V. V., p. 96
Sospedra, J., p. 88
Stathoplos, L., p. 53-54, 99-100, 106
Stephens, C., p. 48-50, 52-55, 58, 84, 93, 100
Stevens, P., p. 35
Stock, J. M., p. 95
Stolarksi, R., p. 89
Stone, P., p. 89
Stouffer, R. J., p. 100
Stover, S., p. 14
Sun, Charles, p. 30
Sun, F., p. 107
Sun, L. C., p. 99, 100
Suneel, V., p. 84, 88
Susskind, J., p. 96
Suzuki, T., p. 97

T

Tai, C. K., p. 100
Takeuchi, K., p. 96
Taniuchi, Erie, p. 25
Tatro, P., p. 106
Tatusko, R., p. 8, 15, 25, 41, 56, 99
Taylor, K. E., p. 88
Tegen, I., p. 89
Theberge, Albert E., p. 17, 60, 70-72, 86, 100-106
Thomason, L., p. 89
Thompson, A., p. 89
Thorne, P. W., p. 82, 97
Tikku, A. A., p. 106
Timofeev, S., p. 12, 15, 25, 99
Timmermann, A., p. 96
Tommos, K., p. 36
Topoly, Peter J., p. 29
Torgunova, N., p. 23
Trenberth, K., p. 106
Trigg, Jimmie L., p. 44
Trotsenko, B., p. 48-49
Turetsky, N., p. 96
Tuross, N., p. 100, 106

U

Udens, Y., p. 16
Usov, N. V., p. 8

V

van den Dool, H. M., p. 86
Vazquez-Cuervo, J., p. 86, 106
Velasquez, Z., p. 88
Venezia, W., p. 106
Vialard, J., p. 92
Vinnikov, K., p. 106
Virsis, L., p. 23
Virsis, M., p. 23
Vissa, G.V, p. 92
Vitousek, S., p. 85
Vivier, F., p. 95
Vollmer, M. K., p. 95
von Schuckmann, K., p. 97
Voss, Brian, p. 40
Voss, Gilbert L., p. 20

W

Walbridge, S., p. 89
Walker, S. J., p. 95
Wallcraft, A. J., p. 91
Wahr, J. M., p. 86
Wang, J. L., p. 94
Wang, M. H. H., p. 89
Wang, Y., p. 83, 89
Ward, Janet, p. 72
Warren, B. A., p. 106
Warshaw, J., p. 85
Watson, R., p. 89, 99
Watts, Carol, p. 23, 106
Watts, D. R., p. 83
Weiss, Martin, p. 38
Weiss, R. F., p. 95
Wiebe, P. H., p. 88
Weidemann, A., p. 92
White, W., p. 96
Whitworth, T., p. 106
Wigley, T., p. 106
Wijffels, S., p. 86, 97
Williams, Francis, p. 40
Willis, B. L., p. 85
Willis, J. K., p. 82, 90-91, 97
Willson, R., p. 89
Winn, H. E., p. 106
Withee, G. W., p. 91
Wong, C. S., p. 96, 107
Woodworth, P., p. 96
Woolf, D. K., p. 90

X

Xie, T., p. 107
Xue, Y., P. 83, 90, 107

Y

Yamazaki, Hidekatsu, p. 28
Yang, D. C., p. 90
Yarosh, I., p. 16
Yashayaev, I., p. 107
Yin, Y., p. 83, 107
Yoder, J. A., p. 89
Young-Molling, C. C., p. 9-10, 107

Z

Zaneveld, R. R. V., p. 107
Zavatarelli, M., p. 98
Zawada, D. G., p. 107
Zeng, J., p. 96
Zeng, J. Y., p. 107
Zeng, Y. H., p. 90
Zhang, R. H., p. 107
Zhang, Y., p. 90
Zolotukhin, E., p. 16
Zuyev, A., p. 15, 25, 99
Zubaha, M. A., p. 8
Zubarevich, V., p. 23
Zuber, M. T., p. 86
Zuev, A. N., p. 12, 95
Zweng, M. M., p. 52-53, 57, 82-84, 93, 95, 98



VI. Contacts:

Anna Fiolek, Metadata Librarian
NOAA Central Library
1315 East-West Highway, SSMC-3, 2nd Floor
Silver Spring, MD 20910
E-mail: Anna.Fiolek@noaa.gov
Tel. 301-713-2600, ext. 147; Fax 301-713-4599

or

Reference Librarian
NOAA Central Library
1315 East-West Highway, SSMC-3, 2nd Floor
Silver Spring, MD 20910
E-mail: library.reference@noaa.gov
Tel. 301-713-2600, ext. 157; Fax 301-713-4599

Visit the NOAA Central Library home page at: <http://www.lib.noaa.gov/>